



# DX NEWS

*the magazine of the  
National Radio Club*  
**SINCE 1933**

VOLUME 50 ISSUE 18

FEBRUARY 14, 1983

## LOOKING FOR A FORMAT EDITOR

ANYONE WANT TO VOLUNTEER TO BE A FORMAT EDITOR? LET US KNOW HERE AT HQ. WE WILL PUT YOU TO WORK ASAP. PAY IS \$2.5 A YEAR WITH 6 WEEKS VACATION A YEAR. (THAT SHOULD BRING IN THE VOLUNTEERS, HI!)

FROM THE MAILBAG - VIA SAM DELLIT OF DX AUSTRALIA, HE WRITES. LOOKING FOR HELP. "I HAVE A TAPED ID OF A MEXICAN ON 1490 AT 092BZ 'ARCHAY ERAY ESSAY ... 'EXI-GANA' ON 5 JANUARY. AND I THINK THE CALL IS XE1RS BUT I'M NOT CONVINCED THAT IS IT." IF YOU CAN HELP SAM OUT CROP A LINE HERE AT HQ OR WRITE THE INFO TO HIM YOURSELF.

FROM THE MAILBAG - EGE, INC. OF WOODBRIDGE VA SENT ALONG A CATALOG OF PRODUCTS THEY OFFER. EVERYTHING FROM RADIOS TO HFJ ACCESSORIES TO BOOKS TO CABLE. IF YOU WISH TO SEE WHAT THEY OFFER, WRITE TO THEM FOR A CATALOG AT- EGE, INC. 13646 JEFFERSON DAVIS HIGHWAY, WOODBRIDGE, VA 22191 OR CALL THEM AT 703-643-1053.

FROM LAST ISSUE - WE MENTIONED THAT THE DOMESTIC LOG NOW HAS A SUPPLEMENT TO IT. IT CONSISTS OF THE CALL LETTERS AND FREQ. OF EVERY STATION LISTED BY STATE AND CITY ALPHABETICALLY. THIS BOOK HAS 56 PAGES AND IS A FULL SIZE 8½" x 11" SO THAT YOU CAN MAKE CHANGES IN IT WITHOUT HAVING TO USE A MAGNIFYING GLASS!! THIS BOOK WILL BE AVAILABLE FOR \$3.50 TO MEMBERS, \$4.00 TO NON-MEMBERS. WE HERE AT HQ WILL TAKE PRE-PUBLISHING SALES HERE UNTIL MARCH 15TH THEN YOU WILL HAVE TO ORDER FROM THE NRC PUB CENTER. SO BETWEEN NOW AND THE 15TH OF MARCH, IF YOU WISH TO PLACE AN ORDER NOW FOR THE BOOK DROP YOUR LETTER OFF TO US HERE AT HQ. THE BOOK WILL BE MAILED TO YOU AROUND THE 1ST OF MARCH. THIS BOOK FITS NICELY INTO A 3-RING BINDER - WHICH IS, BY THE WAY, THE FUTURE FORMAT OF THE DOMESTIC LOG BOOK, WHICH JOHN CLEMENTS IS WORKING ON, AND SHOULD MAKE ITS APPEARANCE SOMETIME NEXT YEAR.

## CPC TESTS (TIMES ARE E.L.T.)

2/20 WHIM-1110 E. PROVIDENCE, RI 0200-0300 SKW 0200-0230 TEST WITH CHRISTMAS MUSIC & FREQUENT VOICE/CODE IDs. 0230-0300 WITH BEEP TONE (ALA MM) AND RANDOM VOICE/CODE IDs. USE AN ACCURATE CLOCK.

2/21 WLKW-990 PROVIDENCE, RI 0300-0330 50 KW (MOSTLY INTO THE ATLANTIC OCEAN MON. WITH THE SIGNAL. UNFORTUNATELY) CONSTANT TONE w/ FREQUENT, RANDOM ID'S. VOICE/CODE ID'S USED. USE AN ACCURATE CLOCK.

BOTH OF THE ABOVE TESTS ARRANGED BY CRAIG HEALY AND PROBABLY PUT ON BY SAME, HI. BUT HE DIDN'T GIVE US AN ADDRESS TO REPORT THESE TESTS TOO!!! (SO THE GUY THAT GAVE YOU THE MYSTERY TEST LAST MONTH, NOW HAS A MYSTERY ADDRESS, HI.- HQ)

2/24 WMD-1540 WHEATON, MD USING 3500WATTS 0000-0200 WILL PLAY A POTPOURRI OF THURS MUSIC, MANY OLDIES SOME OBSCURE AND NUMEROUS AND RUN EQUIPMENT TEST ID'S.

2/25 WMD-900 LAUREL, MD USING 1.000WATTS 0000-0200 SAME TYPE PROGRAM AS LIST-FRI. ED ABOVE. BOTH TESTS ARRANGED BY THE CE, JOHN HOFSTETTER AND ME NOTES "IF YOU RECEIVE EITHER STATION YOU MAY CALL TO SAVE THE TROUBLE OF WRITING (CALLS MUST BE PREPAID-HQ), & CALL ONLY DURING THE TEST TIME."

WMD # 301-933-6923 WMD # 301-953-9563

ADDRESS'S I ASSUME ARE THOSE LISTED IN THE NRC DOMESTIC LOG- HQ.

## LOOK INSIDE

2-AM SWITCH  
3-DDXO  
8-IDXO

13- TOP END  
14- MULTI-ROD FERRITE  
LOOP ANTENNAS

17- RUSTINGS  
"10- NEW MEMBERS  
"10- RENEWALS

**THE WORLD'S OLDEST AND LARGEST ALL MEDIUMWAVE DX CLUB**

# ② AM SWITCH

JERRY STARR  
C/O WSBD RADIO  
401 N. BLAINE AVENUE  
YOUNGSTOWN, OHIO 44505

## CALL LETTER APPLICATIONS:

740 KYME Boise, ID  
990 WQWD Dawson, GA  
1230 KWTC Barstow, CA

KTOX  
WHIA  
KPRD

## CALL LETTER GRANTS:

690 WAGO	Oshkosh, WI	WCKK
740 *New	Hudson, WI	WAQZ
1070 KENR	Houston, TX	KRBE
1230 KRDG	Redding, CA	KPAK
1240 WDKA	Cross City, FL	WUSH
1370 KOKE	Austin, TX	KMM
1380 WRJQ	Clintonville, WI	WFCL
1460 WNEG	Racine, WI	WRKR
1480 KONI	Spanish Fork, UT	KHON
1540 KTIA	Fort Worth, TX	KUQQ

## APPLICATIONS FOR NEW STATIONS:

750 Portage, IN 2500 D3  
La Crescent, MN 10000/1000 U4  
1030 Union City, IN 5000 D3 (this was the one listed here a few weeks back as  
Union City, NJ, true location uncovered by some investigation on our  
part. The typos from D.C. just keep on coming!)  
1040 Gray, KY 10000/2500 U2  
1050 Dishman, WA 5000 D1  
1180 Trion, GA 5000 D1

## APPLICATIONS FROM EXISTING FACILITIES:

630 KTIB Thibodaux, LA seeks 640 kHz 5000/1000 U4  
780 KNOM Nome, AK seeks 1200 kHz 10000/10000 U1 !!!  
1010 WBCE Wickliffe, KY seeks 1100 kHz 1000 D1  
KLAT Houston, TX seeks 5000/5000 U4  
1220 WAVN Stillwater, MN seeks 1210 kHz 50000/1000 U2  
1260 WCHV Charlottesville, VA seeks 5000/2500 U4  
1280 WTTX Appomattox, VA seeks 2500 D1  
1360 KEYZ Williston, ND seeks 660 kHz 5000/5000 U4  
1410 WHLN Harlan, KY seeks 1030 kHz 10000 D1  
1420 KBTN Neosho, MO seeks 1000/500 U2  
1430 WIVE Ashland, VA seeks 5000 D3  
1480 WSOS Ypsilanti, MI add 5000 night, increase day to 1000, install U4  
1500 WIXR Mt. Pleasant, SC power to 1000 (500CH)\*\*\*\*  
1580 WAJE Ebensburg, PA seeks 650 kHz 1000 D1  
\*\*\*\*Broadcasting Magazine has a rather amusing version of the WIXR application,  
listing it as "1000 watts day, 500 KW critical hours. Hmmmm."

## GRANTS FOR NEW STATIONS:

1020 Selah, WA 10000/500 U2  
1140 Childersburg, AL 5000 D1  
1530 Sisseton, SD 1000 D1

## GRANTS TO EXISTING FACILITIES:

720 KUAI Eleele, HI replace existing tower.  
780 WABS Arlington, VA decrease antenna height  
1200 KFNW Fargo, ND change night CP from three to two-tower DA  
1260 WBUD Trenton, NJ change from four to three-tower antenna system  
1600 WQDQ Lebanon, TN increase antenna height from 198 to 306 feet

## OTHERNESS:

570 Application listed a few weeks ago as Bockingham, VT in Broadcasting is  
now listed by three other sources as Rockingham. The majority rules, hi.  
1190 WHMT Humboldt, TN application for fulltime on 1160 has been denied by FCC.

73 and Good DX,

*Jerry & BKF*

Jerry Starr & Buffalo K. Foonman



## WSEX Takes To Airwaves

WASHINGTON (AP)—It took him four months, but Darrell Peters has finally convinced the Federal Communications Commission there's nothing wrong with S-E-X, at least when it's preceded by a "W."

Peters is the president and majority stockholder of Darrell Peters Productions Inc., which acquired the license last September for WTCO-FM in Arlington Heights, Ill. Ever since, he's

been trying to convince the FCC to allow him to change the station's call letters to WSEX.

On Monday, WTCO switched to WSEX after successfully convincing Larry Harris, the chief of the FCC's mass media bureau, to overturn an order by his staff.

Michael Kraftzak, a vice president of Darrell Peters Productions, said Monday that the new call letters appear to be serving their purpose of attracting attention and inviting listeners to sample the station's "soft contemporary music."

"It's an attention-grabbing device, that's all," he added.

# DOMESTIC DX DIGEST

DAVE SCHMIDT  
42 CHELWYNNE RD.  
CASTLE HILLS  
NEW CASTLE, DE 19720

Here is the official NRC column which is about as exciting as a recipe for roast leg of wolf! When sending your items in, please keep them on one side of the paper, type or neatly write, skip a line between items, EET, etc. And away we go, you all:

## DX TESTS:

1130 WBT Tentative: JM-PA (Zone only).  
Not heard: JP-ON, KG-PA.

1290 KALM Heard: NM-IL, JM-PA, JP-ON (code ID's only!)

## FREQ. CHECKS:

4th Mon - WFTH-1590 0024-0056 w/novelty records, address for reports at s/off given as Box 11499. (KG-PA)

## SPECIAL:

760 WJR MI DETROIT - 1/22 0918 noted w/announcement for AM Stereo. (IH-MI)  
1150 WORL TN MORRISTOWN - Per varie, CP for Q2 5000/500 is on. (JP-ON)  
1290 WNRS HI SALINE-ANN ARBOR - 1/22 0920 noted w/all news format w/CNN and Mutual, dropping CW w/News Radio ID's. Still not on applied for calls (HIQB). (IH-MI)  
1370 WSPD OH TOLEDO - 1/20 1750 noted w/mention of being only station in NW Ohio now running AM Stereo. (JP-ON)  
1600 WHBT TN HARRIMAN - 1/3 1200 new calls, ex-WDBB, went into effect per varie from GM/owner. (KG-PA) WGNT. radio 83

## XIDAY - MIDNITE:

540 WDAK GA COLUMBUS - 1/2 2305-2320 alone w/CW music. (RN-IL)  
550 WDLV NC PINEHURST - 1/7 1645 noted mixing w/WSPA. (RL-NC)  
560 WGGG GA GAINESVILLE - 1/7 1705 noted w/ID. (RL-NC)  
560 KLVI TX BEAUMONT - 1/1 1845-1905 some fading, o/u WIND w/CW music, ABC news on hour. (RN-IL)  
570 WVMW MS BILOXI - 1/1 1730-1815 strong signal, nobody w/them w/CW music, gone at apparent pattern change. (RN-IL) Those pattern changes are wicked....(DS)  
580 WHP PA HARRISBURG - 1/5 1545 fair in CKWW null w/MOR music, ski report, not heard in a long time. (JP-ON) You should be so lucky, they're really a boomer here! (DS)  
590 KLBJ TX AUSTIN - 1/1 1815-1840 very good w/House Bowl game, ID's as "News-Talk 590." (RN-IL)  
610 WIP PA PHILADELPHIA - 1/20 2145-2205 Flyers Hockey, little WICC splash due to new talk show til 2205. When WICC went back to music then goodbye! (TF-CT) You coulda stayed-hi! (DS)  
740 WMEL NC MOREHEAD CITY - 1/19 1710-1716 good w/pop music, ads and full data s/off w/no SSB. (KG-PA)  
790 WBBB SC BAHBERG-DENMARK - 1/23 1200 noted w/ID in tight WZAR null. (RL-NC)  
WETB TN JOHNSON CITY - 1/23 1655 noted w/ID. (RL-NC)  
WAKY KY LOUISVILLE - 1/23 1700 w/ID into ABC news. (RL-NC)  
WTAR VA NORFOLK - 1/19 2200 noted w/ID into CBS news. (TF-CT)  
810 WIRE MD ANNAPOLIS - 1/18 1500 w/ID, Radio 81. (RL-NC) Nice daytime catch, good here days also. (DS)  
860 UNID 1/18 1727 someone here w/86 AM Midnite Movies promo for just \$1.94 (FM 94) special matinee, gone quickly to CJBC. (JM-PA)  
880 KRWV NC LEXINGTON - 1/18 1829 w/ID up til pattern change. (RL-NC)  
900 WEAS GA SAVANNAH - 1/13 1745 w/s/off, mention of 5000 watts. (EM-WI)  
910 WCAF GA VALDOSTA - 1/13 1828 noted w/legal, jingle/ID. (EM-WI)  
930 WFKX AL RAINBOW CITY - 1/18 1756 legal o/mess in WBBN null w/ID and CW music, not heard since WJBY days. (JP-ON)  
940 WYAZ GA RACON - 1/23 1725 GA news, in like a local, lead story about the probability of the Russian satellite failing in GA! (TF-CT) Figure you'd hear that....helps spice up a dull news day!  
950 WQIT CH LIMA - 1/18 1725-1730 strong in CBM's null w/long spiel on daytimers going fulltime, governed by rules made in the 30's, equipment improvements, etc. S/off w/full data "to avoid interference w/CBM", closed w/religious song. (KG-PA)  
DETROIT - 1/23 1717 CBS news, local items of WPSN, in well. (TF-CT) Hey...did you get wet if it was in a well? (DS)  
WKAZ WV CHARLESTON - 1/23 1632-1711 rock, AC news, ID as "Truly Amazing AM, WKAZ." (TF-CT)  
WCTN MD POTOMAC-CABIN JOHN - 1/24 1712-1715 good in WPSN's null w/ads, weather, PSA then s/off w/invite for comments to them at 7825 Tuckerman Lane, but call sounded like WQJP or similar. Is there a call change or just fade-out distortion? (KG-PA) You might think an alert DC member might catch it if there was, no? (DS)

970	WERH	AL	HAMILTON - 1/13 1758 s/off proceeded by the AL Weatherman. (BM)		
990	WHO0	FL	ORLANDO - 1/13 1844-1930 xlnt w/CW music, weather, ABC news, local ads, live music from the Cheyenne Saloon Opera House ID as the 50000 watt country voice, seemed like they were on day pattern late, what's the story, Dave? (JK-PA) Once upon a time....(DS) It's forgetting to change to nite power...(DS)		
1000	WXTN	MS	LEXINGTON - 1/13 1814-1815 fair w/religious music, reading and s/off, mention of "endeavor for pleasure in listening."(JN)		
1010	WTGC	PA	LEWISBURG - 1/13 1650-1700 o/u WINS w/Pop music, ads and full data s/off w/mention of 2.2 watt PSA from 0600 til sunrise, no SSB. (KG-PA)		
	WPYK	AL	DODA - 1/18 1758 mostly o/CPR3 w/pop music til very complete s/off w/mention of 5000 watts, 2-Way Radio Inc., owners, and Instr. SSB, fairly new station. (JF-ON)		
1030	KTWD	WY	CASPER - 1/5 1850-1900 alone w/Commentary on roads, sports, weather then gone, guess there was a pattern change. (NM-IL) 1/17 1857-1900 "WY Wildcaters" report and sports comments, o/u KTCA til their s/off then WBDX took over. (NM-IL)		
1050	WRPS	AL	ALEXANDER CITY - 1/13 1759-1801 very good fading o/WJSB w/ABC news, ad, weather then s/off w/mention of the Piedmont Service Group, 1st time noted. (JM-PA)		
	MJSB	FL	CRESTVIEW - 1/13 1757-1759 fading up w/ad, brief summary of news then s/off, fading to WRPS. (JM-PA)		
	WADC	WV	PARKERSBURG - 1/13 1729 irregular here w/s/off mentioning 500 watt PSA, owners and transmitter location, urges listeners to watch TV programs, etc. (JM-PA)		
1070	WIBC	IN	INDIANAPOLIS - 1/22 1718-1745 Top 40 music, contests, ads, way o/CHOK, never heard before. (TF-CT) Used to be a regular.		
	WNCT	NC	GREENVILLE - 1/22 1648-1705 CW music, CBS news, lost quickly to CHOK. (TF-CT)		
1080	WFIV	FL	KISSIMMEE - 1/13 1730-1738 in very loud w/CW music, promo for high-school basketball, request, weather, faded to KRLD. (JM-PA)		
1090	WCRA	IL	EFFINGHAM - 1/18 1739-1745 almost xlnt w/home town news, funeral services, discharges from local hospital, weather then faded to KAAY. (JM-PA)		
1130	WISM	WI	MILWAUKEE - 1/26 1733 on top w/traffic report during news. (JB)		
1220	WGNY	NY	NEWBURGH - 1/23 1635 in/out of mess w/rock music, ID/jingle, poor w/faint WGAR in background. (CAC-WI)		
1250	WREN	KS	TOPEKA - 1/23 1820 ID's in 2 man talk show, sounded like a sports talk show. (NAP-AL) Real bird of a catch! (DS)		
1260	WDCD	WI	OCONTO - 1/3 1718 strong o/jumble w/local highschool basketball scores. (JF-ON)		
	WQIS	MS	LAUREL - 1/22 1810 female w/ID and weather in brief fade-in, w/WGMW/WNXT. (NAP-AL)		
	WNXT	OH	PORTSMOUTH - 1/22 1806-1813+ CW news, ID, national weather in very tight WGMW null. (NAP-AL)		
1270	WCBC	MD	CUMBERLAND - 1/23 1700 ID as Forum Radio in Alleghany County, legal ID into CBS news. (CAC-WI) Wasn't there a call change on this guy lately? (DS)		
1280	KNEY	AR	NEWPORT - 1/21 1720 in briefly w/weather, ID. (NAP-AL)		
1290	CJBK	ON	LONDON - 1/16 2040 strong beside local WPNX-1280 w/live report from local hockey game. (JB-NY)		
	WLLZ	WI	GREENFIELD - 1/3 1720-1740 strong at times w/WHIO in CJBK null w/oldies, ID's as "Solid Gold 13 Zee." (JF-ON)		
	WNLE	VA	ROCKY MOUNT - 1/6 1725-1730 alone w/CW music and full data s/off (except no mention of power), no SSB. Again 1/7 1716-1722 w/sports news, ads, CW music. (KG-PA)		
1300	WTKC	KY	LEXINGTON - 1/18 1730-1736 poor-fair o/WTAQ w/news, ads, sports and traffic report. (DB-IN)		
1310	WIBA	WI	MADISON - 1/26 1731 good w/ID then into news. (JB-NY)		
	CHGB	PQ	LA POCATELLO - 1/22 1610 very strong w/Kenny Rogers record. (JB)		
1320	WAGY	NC	FOREST CITY - 1/20 1759 fair w/ID. (WPT-DC)		
1330	WJDQ	MS	MERIDIAN - 1/21 1810 w/local news, ID, mention of Q101 FM. (NAP)		
	WSWL	FL	MILTON - 1/21 1815 several ID's by female in s/off, mentions 5000 watts. Thought this was 15 minutes late but does check out on my sunset maps. (NAP-AL)		
	WCVC	FL	TALLAHASSEE - 1/22 1759 w/WFTO w/ID in s/off. (NAP-AL)		
	WFTO	MS	FULTON - 1/22 1758 ID's in s/off w/patriotic message and SSB, 4 new ones here in 2 days! (NAP-AL) 1/13 1759 weak in mess w/o/off and mention of WFTA FM 101.7, vocal SSB. (JF-ON)		
	WEAW	IL	EVANSTON - 1/18 1745 w/s/off, the Sound of Inspiration. (RL-NC)		
	WASA	MD	HAVRE DE GRACE - 1/19 1730 w/ID, news. (RL-NC) Finally heard out of Harford County! (DS)		
	WLAT	SC	CONWAY - 1/19 1730 w/news, sports, ID. (RL-NC)		
1350	WANC	NC	ABERDEEN - 1/21 1730 fair w/s/off w/Dixie and SSB. (WPT-DC)		
1360	KRYS	TX	CORPUS CHRISTI - 1/18 2026 poor o/u WSAT w/ID, music. (DB-IN)		
1370	WKEE	FL	OCALA - 1/13 1738-1745 on top w/pop music, clustered ads, no data s/off, no SSB. (KG-PA)	5	
	WLOP	GA	JESUP - 1/13 1741-1745 another one w/long spisl about daytimers staying on at night urging listeners to write to representatives in Wash., DC giving full addresses! Full data s/off w/mention of WIFC-FM, closed w/SSB. (KG-PA)		
1380	WADK	GA	ATLANTA - 1/17 1847 promo for the "Win a Mortgage" contest, ID, weak signal. (NM-IL) I'll enter that one-hi! (DS)		
	NSYB	VT	RUTLAND - 1/22 1644 good w/Holiday Inn ad, some local WATK-1370 splash. (JB-NY) Seems to be absent from this area....(DS)		
1420	WLET	GA	TOCCOA - 12/30 1730 fair w/u/off w/studio location, no SSB. (JF)		
	WOC	IA	DAVENPORT - 1/5 1620 strong w/talk show, not heard in a while. (JF-ON) A while hasn't come here yet! (DS)		
1430	WWWQ	FL	PANAMA CITY - 12/30 1743 good o/u CJCL w/promo for CW music, concert, nice signal. (JF-ON)		
1440	WGVL	SC	GREENVILLE - 12/31 1600 briefly o/mess w/SC news, weather, ID into Ac news. (JF-ON) I'll bet this switches back to the WQXO calls again...watch. (DS)		
1460	WXOK	LA	BATON ROUGE - 1/17 1844 ad for "The Joint", ID, weak. (NM-IL)		
	WCBI	MD	EASTON - 1/25 1800-1814 o/WCMB w/AZ news, local news, ads, and sports. (KG-PA)		
1480	WABB	AL	MOBILE - 1/17 1844 "Mobiles best music" w/ID surfaced then quickly gone. (NM-IL) Know you were listening! (DS)		
	WSAY	VA	SALEM - 1/24 1718-1730 on top w/"Adult" music, ABC Business Report, weather and s/off w/o SSB. (KG-PA)		
1490	WPAK	VA	FARMVILLE - 1/20 2358-2359 fair w/rock music into s/off. (JM)		
1500	WFIF	CT	XILFHOLD - 1/3 1600 noted w/news, weather. (RL-NC)		
1510	WMIB	FL	NAPLES - 1/15 1746-1800 in clear w/NYL and ads, full data s/off mentioning xmtr near Marco Island, no SSB. (KG-PA) Sends a v/1		
	WYNI	AL	MONROEVILLE - 1/13 1745 on top of usual WLAC/WMRB/KAGY w/promo for community service program, address given as Box 1510, 36461, ID's as "Win 1510." (JF-ON)		
	WPUT	NY	BREWSTER - 1/16 1620-1645 way o/WIRE w/Ae news, sports, detailed s/off w/local SSB. Varies in 4 days! (TF-CT) Eh?		
1530	WRBX	NC	CHAPEL HILL - 1/23 1720 ID and CW music noted. (NAP-AL)		
	WCRJ	PL	JACKSONVILLE - 12/30 1715-1732 holding down channel w/CW music til s/off w/mention of FM 107, no SSB. (JF-ON)		
1540	WTKM	WI	HARTFORD - 1/3 1715 fair w/XKEL w/ad then local death notices, after this guy for a while. (JP-ON)		
	WZAL	GA	MCDONOUGH - 12/30 1721 unreal signal w/Henry County Community Calendar program. (JF-ON) Habble County is next door? (DS)		
1550	WYNC	NC	YANCEYVILLE - 1/27 1715 o/off noted w/music, alone. (DS-DE)		
	WXVA	WV	CHARLESTOWN - 1/18 1700-1706 fair-good w/news, ID, Accu-weather and WV sports. (DB-IN)		
1560	WAGL	SC	LANCASTER - 1/14 1730-1745 strong in WQXR's null w/ABC news, weather, Pop music, "Be Still and Know", "America the Beautiful" then s/off. (KG-PA) Be still and be taxed! (DS)		
	WSQR	IL	SYCAMORE - 1/3 1300-1400 Silver Eagle Cross County Music Show noted, station is now 100% CW, modern soft stuff. (RN-IL)		
1570	WTHS	FL	AUBURNDALE - 1/14 1757-1758 good but fading w/weather, PSA, noted on car radio. (JM-PA) 1/10 1710-1720 way o/all w/country style religious program, faded out then returned w/ABC news at 1730. (KG-PA)		
	WHOG	FL	FERNANDINA BEACH - 1/10 1720-1731 good during WNB's fade w/CW music and ID. (KG-PA)		
	WOKC	FL	OKEECHOBEE - 1/10 1738-1745 w/CW music, s/off w/invite to tune to WMCN FM 103.1, no SSB. (KG-PA)		
	WOKZ	IL	ASTON - 1/23 1800 poor in jumble w/full s/off, no SSB noted. (CAC-WI)		
	KNDY	KS	MARYSVILLE - 1/23 1815 fair w/several ID's, weather and wrestling club news, CFOR usually stop by now. (CAC-WI)		
	WBUX	PA	DOYLESTOWN - 1/16 1646-1700 PSA, rock music, detailed s/off w/varie back in 5 days! (TF-CT)		
1580	WFGC	MD	MORNINGSIDE - 1/18 1706-1710 good w/Top 40 music, ID by DJ Dave Fox, more music. (DS-IN) See, you can't get away from WFGC! Could our <u>SILENT</u> Reading, PA member show his face again? (DS)		
	WPUV	VA	PULASKI - 1/16 1730 good w/s/off, ID's as "AM 16". (JB-NY)		
1590	WJSO	TN	JOHNSON CITY - 1/18 1730 fair w/rock music, "AM 16 JSO" ID, into weather. (DB-IN)		
	WGGO	NY	WALAMANCA - 1/16 1700 good w/s/off, no SSB. (JB-NY)		
	WNTS	IN	BEACH GROVE - 1/23 1740 promo for morning Bingo program, The Super Bowl of Bingo, "one more way to win on WNTS". (NAP-AL)		
1600	KENV	LA	FERRIDAY - 1/15 1826 s/off w/mention of 1000 watts from 0600 to local sunset, owners, studio/xmtr locations. (BM-WI) Hello, Mr. Popkin? Oh he's out in the field in NYC? (DS)		
	WUNR	MA	BROOKLINE - 1/20 2112 w/Irish Hour program, alone on freq. (TF)		

MIDNITE - MIDDAY:

6 KYPR ND BISMARCK - 1/26 0615-0645 fair bur fading rapidly w/high school sports scores, MoR music, repeated updates on weather, ads, PSA's, ID's sounded like K-Far, likely K-Fire. (JM-NY)  
 CHND ON SUBDURY - 1/23 0907 good in WJR null w/weather, jingle. (JB)  
 560 WJLS WV BUCKLEY - 1/21 0745 w/CW music in tight WCAI null. (RL-NC)  
 WIS SC COLUMBIA - 1/12 0815 w/ID in WCAI null. (RL-NC)  
 WFIL PA PHILADELPHIA - 1/21 0046-0138 xint at times of WIS w/CW music, ads, news, weather, promo for 76'ers tickets. (JM-PA)  
 570 CHYM ON KITCHENER - 1/24 0035 good w/weather for Southern ON. (WPT-DC)  
 NACL GA WAYCROSS - 1/12 0800 w/ID, CW music. (RL-NC)  
 WAAX AL DABSEN - 1/12 0806 w/ABC news, ID. (RL-NC)  
 NSYR NY SYRACUSE - 1/21, 1/26 weak o/u WKBN w/Larry King, local news, weather, sports, NBC news on hour. (JM-PA) What TIME, John?  
 580 CRPR ON THUNDER BAY - 1/9 0120 on top w/weather. (JB-NY)  
 WIP PA HARRISBURG - 1/23 1010 fair w/list of church service cancellations due to weather. (JB-NY) Ugh...  
 CKAP ON KAPUSKASING - 1/25 0635-0650 on top w/pop music, PSA and ID, into sports 0645. (KG-PA)  
 CFRA ON OTTAWA - 1/26 0201 fair w/brief news, weather, rock music. (JM)  
 640 WMSS TN COLLIERVILLE - 1/13 0930 ending religious program, tough due to Cuban and WHLO. (RL-NC)  
 680 WOAM WV CHARLESTON - 1/23 0900 good in CPTK null w/ID. (JB-NY)  
 WENR NY BINGHAMTON - 1/26 0100-0200 fading but xint at times o/u WPTF w/ai news and MYL, PSA and s/off 0158, "we won't be gone long" in text of s/off. (JM-PA) Nice one, rarely reported! (DS)  
 690 NYIS PA PHOENIXVILLE - 1/23 0900 good o/CBF w/ID at end of religious program. (JB-NY) See, Vic, they can be heard and not just seen! (DS)  
 710 CKVM PQ VILLE-MARIE - 1/1 0248 strong w/CJRN/WOR w/disco music, also noted AM New Years AM as were CBF-540, CBS-690, etc. (JF)  
 730 CJNR ON BLIND RIVER - 1/9 0130 good w/ad for Espanola restaurat. (JB)  
 770 WCAL MN MINNEAPOLIS - 1/26 0935-1006 classical music, ID on hour, mention of WCAL-FM, WENL also noted, below zero there! (RL-NC)  
 790 WNWS PL S. MIAMI - 1/22 0155 finally logged this one w/promo for Easter Seals. (JB-NY)  
 WAE3 PA ALLEGHENY - 1/22 0655-0715 good w/rock music, news, but lost when WENL want to day pattern at 0715. (TF-CT) Can't listen to them all the time up there! (DS)  
 810 WQIZ SC ST. GEORGE - 1/22 0600-0605 strong in WGY's null w/s/on, prayer then into gospel music program. (KG-PA)  
 820 WAIT IL CHICAGO - 1/18 0830 noted w/ID atop WOSU. (RL-NC) (RS-NC)  
 830 KBDA MD KENNEDY - 1/18 0815 noted w/a/s/on, 1000 hertz tone also noted.  
 910 KGIC OK MIAMI - 1/17 0145 ole buddy alone on free, w/promo for basketball game, Jingle/ID, CW music. (JM-ON) You have strange friends but they'd be welcome here! (DS)  
 940 \*UNID 1/17 0115-0126 fair on ET w/TT, very quick and garbled ID at 0126, anc'd as i/c, could have been WFAH? (JF-ON) Or KVSH?  
 KIOA IA DES MONIES - 1/22 0141 xint w/weather and rock music, some local WBFB-950 splash. (JB-NY) Then give him a towel! (DS)  
 WYLD LA NEW ORLEANS - 1/17 0149-0150 noted fair/good w/PSA and promo for "Wild Card", into B/Sol music then faded u/KZQ. (JM-PA)  
 990 KNIN TX WICHITA FALLS - 1/20 0001 noted w/PSA then s/off. (BM-WI)  
 1010 WELS NC Kinston - 1/20 0620-0635 strong in WINS null w/CW music, NC weather, WTCO also there after 0630. (KG-PA)  
 1050 WSKE PA EVERETT - 1/15 0630-0645 fair w/CW music, news, winter storm warning, PSA. (JM-PA) I like the Wild Card better...tacky!  
 1060 CJRP PQ QUEBEC - 1/23 0930 french talk w/little KYW. (RL-NC) KYW is awful big here, wouldn't want to meet him in an alley! (DS)  
 \*UNID 1/19 0205-0308+ blues album followed by polka music then into soft rock o/u KYW, ET? (DB-IN) No, your plumbing is radiating signals...only Wes Boyd plays stuff like that! (DS)  
 1070 \*WPLI TN LOOKOUT MOUNTAIN - 1/9 0135-0208+ good on ET w/religious music gave ID 0208 w/mention of 50 kw day power. (JB-NY)  
 1080 WCII KY LOUISVILLE - 1/25 0120 weak w/CW music in between fades of WTIC/KRLD. (JM-PA)  
 1100 \*WWWE OH CLEVELAND - 1/20 0125 noted off this AM, just OC noted. (JM)  
 1130 \*WPUL FL BARTON - 1/16 0143 very strong w/IT and ID for ET. (JM-PA)  
 1150 WDEL DE WILMINGTON - 1/17 0515...heard...again this week! (TF-CT)  
 WJRD AL TUSCALOOSA - 1/16 0100 xint atop CKOC w/CW music, CBS news, weather, ID's as "Western AL's 1st station." (JM-PA)  
 1160 WJJD IL CHICAGO - 1/19 0200 noted off this AM, some periods of IT. (DB-IN) 1/27 1021 loud w/big band music, ads, ID, weather and stock reports, gone by 1130. (RM-NY)  
 1170 CPML ON CORNWALL - 1/25 0706-0715 strong in WWVA's null w/CW and french songs, anc'r taking phone calls w/ID, sounded like full 10 kW power. (KG-PA)

1230 WINP CT MANCHESTER - 1/22 0708-0712 strong in WZEX's null w/CT news, weather for Manchester and Greater Hartford, MoR music. (KG)  
 1250 \*WTAE PA PITTSBURGH - 1/17 noted off 0000 w/UC, gone by 0100, ET w/ (7)  
 1270 WCBC MD CUMBERLAND - 1/17 0535 KYL, news, atop 1270, never verified in Chalfont, don't expect miracles here! (TF-CT) I used to work with one of the new owners of this station...sent a v/l!  
 1340 WCON KY ASHLAND - 1/10 0500-0516 on top w/news, WNL promo, singing ID then KYL music. (KG-PA) Calls used to stand for Where Country Music Is....wonder what it stands for now? (BS)  
 WHID NJ ATLANTIC CITY - 1/17 0245-0300 on top w/Talknet, PSA and promos ID into ABC news on hour. (KG-PA)  
 1350 WLBY NC WILSON - 1/5 0559-0713 mostly atop w/ religion (hour), CW music and ads, o/a news 0630 and more CW music. (KG-PA)  
 1360 \*WBEB MD BALTIMORE - 1/26 0030-0050+ loud at times on ET w/soul music, one ID noted 0045 o/WBRC. (DS-DS)  
 1380 \*WAKS DE WILMINGTON - 1/24 0250-0400, noted on DC all AM. (DS-DS)  
 1400 WFMC PA HARRISBURG - 1/17 0550-0558 rock music, "Hot Hits" ID, in like a local. (TF-CT) And on time, too? (DS)  
 WKNX NV WHEELING - 1/8 0258 briefly atop w/WHL promo. (JF-DS)  
 1450 WDAD PA INDIANA - 1/14 0040 good but faded w/mention of CW song, ID, #10 on this freq. (WPT-DC)  
 WJCA SC CHARLESTON - 1/26 0041 fair-good atop pile w/weather, Dan Fogelburg song, seems to be a pest here. (WPT-DC)  
 1470 WMEZ PA FARRELL - 1/22 0215 very strong w/rock and Magic Radio ID's, Are they still relaying their FM or has the AM gotten the WMEZ calls also? (JB-NY) You might think someone who lives in the shadow of their towers would let us know, no? (DS)  
 1490 KTOP KS TUPEKA - 1/17 0215 nice to have this one fade up to catch a Sun N Fun promo, many IB's than gone, one of my better ones! (JF)  
 1500 \*WLQV MI DETROIT - 1/24 0113-0143+ ET w/gospel music, OC, tone and test counts w/ID's. (KG-PA)  
 1520 WHEM NY BUFFALO - 1/25 0130 noted off this Tuesday AM leaving a weak KOMA o/OC, back by 0200. (DS-DS)  
 1560 KWCO OK CHICKASHA - 12/17 0659-0700 s/on w/no sign of WFAB, taken out by WSQR s/on, 0700. (RN-IL)  
 1600 WIXY MA S. LONGMEADOW - 1/17 0355-0430 xint w/Country 16 Wixey ID's, no ads or PSA's noted, only CBS news on hour, o/WWRL. (JM-PA)  
 \*UNID 1/18 0110-0120 very good w/various TT, later noted w/CW music, looping E/SE. (JM-PA)

PIRATES:

1620 1/25 1745-1815 Satellite Network noted w/ID for news, xint signal. (WPT-DC) It was in your basement! (DS)  
 1630 WGET NY NEW YORK - 1/1 0146 fair at times w/beacons taking phone requests for pop oldies, good audio. (JF-ON)

DISA & DATA:

JF-ON notes that it now takes 37¢ postage for a letter from Canada to the US, some make sure you send enough return postage for those Canadian reports! Early word on a call change application in this area...WRCP requests WSHI. Welcome to Charlie from Oxford...a-k-a Chris Stevens at WDEL, Joe Jones must have done some talkin' to get him to join after all these years!

OUR GANG THIS WEEK:

NN-IL	Norm Meinholtz, Champaign, IL	TABER, ALBERTA	RF2900
DB-IL	Dave Braun, Valparaiso, IN		ICPSSW
RN-IL	Ray Memee, Naperville, IL		ICPSSW, Superadio
TF-CT	Tony Fitzherbert, Fairfield, CT		FRG7, Kowalski Loop
CAC-WI	Craig Cook, Shorewood, WI		RF2200
IH-MI	Ian Harris, Milan, MI		NRD 515, Radio West Loop
JF-ON	Jeff Falconer, Clinton, ON		EQ1BOA, SM2
BM-WI	Bob Mielcarek, Milwaukee, WI		ICPSSW
WPT-DC	Bill Townshend, Washington, DC		'42 Navy AM, NRC loop
RL-NC	Reife Luton, Elizabeth City, NC		CE TRF, RCA 867
JB-PA	Jerry Bond, Rochester, NY		HQ180, SM2, LM
KG-PA	Kermitt Geary, Walnutport, PA		Modified TRF
RM-NY	Robert Mendelsohn, Ft. Washington, NY		Aiwa AR158
JM-PA	John Malicky, Pittsburgh, PA		R390, RF2900, SM2, LM
MAP-AL	Neal Fordue, Fairville, AL		HQ180A, SM2, Superadio
DS-DE	You expected Wes Boyd?		

Noted in a Department of Defense sale catalog, 1-R220/URR (Motorola) and 2-R390/URR (Collins) rec'r in w/some assorted junk, anyone ever get them in this manner?

73's - Good DX!

CKTA 1570  
Box 2199

**KXOJ**

**WIMA**  
**RADIO**

AM1020/FM101

# ⑧ INTERNATIONAL DX DIGEST

CHUCK HUTTON  
1035 LATHAM ROAD  
DECATUR, GA 30033  
(404) 633-1198  
BEFORE 2300 ELT

Times are GMT. For ELT subtract 5 hours. Deadlines are usually Monday.

- Hi there everyone. Please note the small size of the column this week and take immediate corrective action. This is what happens when everyone relies on the handful of regulars who send in big reports to go all the work. Reporters: Gerry Thomas (Penascos-FRG7/Superloop) and Marc DeLorenzo (Sudbury, Me.-HQ100/SH2).
- 571 UNID still chasing this one. Audible most nights with SS male and non-descript LA mx but modulation is poor. Will keep trying. (Thomas)
- 710.2 UNID another that continues to elude ID'ing. Audible most every night from 185 on, sometimes at fair level but never definitive info. Some nights SS talk seems to center around El Salvador; other nights El Salvador (oops-make that Ecuador-CH). Right now, I'm leaning towards HGOBN, LV de Portoviejo, mostly on intuition. (Thomas) I heard them on 717 late last season-CH
- 734.8 ECUADOR Quito R. Melodis at poor-fair level w/tropical mx 0430 1/16 and good ID at 0530. Noted because slightly off frequency-nominal (b). (Thomas)
- 765 EL SALVADOR Usulstien-finally a readable ID confirms suspicion that this is YQKL. Call heard 1123 1/18 followed by miscellaneous SS male talk of El Salvador. Heard earlier in the week using "Radio Internacional" ID in stead of "Radio Universal". (Thomas)
- 775 ECUADOR Guayaquil, another unid falls with a positive ID here 1/16. Usual programming in eve's is E2L LA mx but caught them w/a mess in SS 1000-1030 1/18. ID at 1030 then Barber or Seville lead-in to a full ID (Radio La Prensa en Guayaquil), frequency then Colonel Bogey close. E2L mx followed. (Thomas)
- 825 ST. KITTS R. Paradise i&c w/country Christian mx 0536-0530 1/13. (DeLorenzo)
- 890 GUATEMALA Escuintla R. Escuintla briefly atop the freq 0000 1/5 w/ID and into tropical mx. (Thomas)
- 1015 UNID this remains my unknown but am leaning toward an HJ given' mentions of Colombia and Carchi at 0645 1/18. SS male here is poorly modulated. (Thomas) Very, very poor modulation-CH
- 1030 GUATEMALA Villa Victoria TGUP at near local level 0529 1/18 w/r. Panamerican ID and bellroom mx. No WBZ. (Thomas)
- 1090.8 HONDURAS Tegucigalpa almost good w/soft, balled-like LA mx 0534 1/18. Good R. Aeropuerto ID at 0535. Earlier in the week was noted on 1091.5. (Thomas)
- 1131.8 UNID fair smorgasbord of mx (e.g. sitar, E2L, jazz) occurring back-to-back here 0550-0630 1/18. Never an ID but looped Cuba so could be Ondo Musical, CMEM. (Thomas)
- 1195.2 HAITI FF Creole still appears here from time to time but never a readable ID. Heard 1115 1/18 at fair level. YVAF likely. (Thomas)
- 1200 COLOMBIA HJN R. Super, Cali good o/WOAI w/ID's and SS vocals w/ lots of brass 0508-0511 1/13; no sign of usual YVOZ. (DeLorenzo)
- 1280 CUBA Santa Clara R. Reloj fair here 0835 1/18. (Thomas)
- 1320t CUBA time pips audible under the hash but no voices readable. Same top of the hour pips as Cuban Reloj net but no outlet listed in WRTC or Schatz. (Thomas) How 'bout it Ron? Why don't you list the Reloj that has been here for years? They went away?? CH
- 1341 UNID fair TA here 2310 12/31 w/Eastern mx. Either Kuwait or Egypt likely. (Thomas)
- 1360 UNID SS male here w/classical mx and many mentions of Habana around 0400 on 1/4. Not on any Cuban lists. (Thomas) Just came on the air; it's Habana-CH
- 1365b UNID two stns here 2303 12/31. One definitely R. Damli but other is unid. Het or you mz caused by one being on 1406. (Thomas)
- 1364.7 UNID SS male here w/soft mx 0315 12/31; looped GM and hettting Haiti on 1305. This possibly R. Constancia, Honduras. (Thomas)
- 1365 HAITI Fort-Su-Prince fair w/FF male and local spots, LA mx at 2301 12/31. (Thomas)
- 1395.6 ALBANIA Lushnje presumed the TA here 2205 12/31 with male in unid lang and Eastern mx. (Thomas)
- 1404 GUINEA Conakry just a strong carrier with no mod 2205 12/31. Looping LA, this regular of years past has become a welcome visitor during this year of lousy TA ex. (Thomas)
- 1610 AKUILLI Caribbean Beacon good w/ad for hotel on St. Maarten, Mex mx 0441-0446 1/13. (DeLorenzo)

- ALGERIA 738 IN-AMENAS NEW WITH 400 KW ON FF NET. ALGIERS NOW 981 EX 980. NEW STATIONS ON 1223 AND 697, LOCATION UNKNOWN. (EBU)
- AUSTRALIA 20N 1521 NOW 5 KW. 1629 7RPH EX 1648. (MWSC)
- AUSTRALIA 470 774 1990 NOW 5 KW. 2ND 1152 NOW 24 HRS. 2NG 1649 NOW 24 HRS. 3RD 1503 NOW 24 HRS. (MWSC)
- BULGARIA A NEW STATION HAS OPENED AT STARAZAGORA WITH 500 KW. (EBU)
- CANARY ISLANDS A NEW STATION HAS BEEN HEARD ON 1521 kHz. (EBU)
- CANARY ISLANDS R. CLUB DE TENERIFE HAS MOVED TO 1623 FROM 1341. (ARC)
- CANARY ISLANDS 837 EA35 R. POPULAR DE LAS PALMAS IS STILL HERE AND DID NOT MOVE TO 936 AS REPORTED EARLIER. (ARC)
- COLOMBIA 1330 HJFE R. CRISTAL, PEREIRA EX R. CALIDAD. (MWSC)
- COLOMBIA 1590 R. LUMBI IS ACTIVE AGAIN. (UMEA DX CLUB)
- COLOMBIA R. SURCOLOMBIANA 5610 NOTED WITH TODELAR ID EX CARACOL AND S/OFF AT 0500 8 EX 24 HOURS. (ARC)
- COLOMBIA 1400 R. UNIVERSAL NOW ANNOUNCES 5 KW. (ARC)
- COLOMBIA 1300 HJ.. R. SINDAMANDY, MOJICA IS A NEW IP WITH 5 KW. (ARC)
- COLOMBIA 970 HJ.. EMISORAS ARMONIAS DE CAQUETA, FLORENCIA IS NEW WITH 10 KW AND PARALLEL TO SW 4915 kHz. (DSWCI)
- COLOMBIA 1470 R. COLOR HJLT HERE EX 1550. (ARC)
- CUBA R. SURCOS 1172 IS NOW 10 KW.
- CYPRUS 1098 BAVRAK SEEMS TO HAVE TWO XMTR'S HERE-A 10 KW AND A 7.5 KW UNIT. (EDMC)
- DJIBOUTI ON 1538; POWER NOW 20 KW AND SKED 0300-1900. (STILL)
- DOMINICAN REPUBLIC 1170 R. MONTE CRISTI IS NEW WITH 1 KW. (WRTH)
- ECUADOR 1595 R. PANAMERICANA EX R. VIRACOCCHA (ARC)
- ECUADOR 945 R. AMBATO NOW 3 KW. 965 R. ZARACAY NOW 25 KW. 1125 R. CENTRO NOW 5 KW. 1445 R. CALIDAD IS 24 HRS. 1465 R. IRIS NOW 16 KW.
- Egypt A NEW STATION HAS STARTED ON 1161 kHz FROM TANTAY. POWER UNKNOWN. (WRTH)
- EL SALVADOR 1200 R. TIEMPO YSEN EX 1300. YSPA 810 NOW 2 KW. (WRTH)
- ENGLAND 610 CROWBOROUGH IS OFF AT NIGHT. (IRCA)
- ENGLAND 873 R. NORFOLK, KING'S LYNN IS NEW AND // OSSAND 1642. (ARC)
- ENGLAND 1453 BROOKHAMS PARK TAKEN OUT OF SERVICE. (EBU)
- ETHIOPIA ADDIS ABABA IS STILL ON 372 kHz 0330-2000. HARAR IS STILL ON 854 kHz. (DSWCI)
- FRANCE 1404 BREST TRANSMITS IN BRETON 0615-0625. (ARC)
- GIBRALTAR 1093 GEC HAS BEEN TAKEN OUT OF SERVICE. (EBU)
- GUATEMALA 1090 TGZ, 1120 TCG, AND TOCX 1550 HAVE LOST THEIR LICENSES. (MWSC)
- GUINEA NEW STATION HEARD FROM LABE, POWER 100 KW. (EBU)
- HONDURAS R. CINEMA, TEGUCIGALPA, 1518 kHz NEW. (MWSC)
- HONDURAS 1156 R. JUTICALPA SW // IS NOW ON 4781. (ARC)
- JAMAICA JBC'S RADIO CENTRAL HAS BEEN ON THE AIR ON 796 kHz SINCE SEPTEMBER FROM 1700-1900.
- LIBYA A NEW STATION HAS BEEN HEARD ON 1061 kHz, NO DETAILS. (EBU)
- LIBYA KUFRA WITH 10 KW IS A NEW STN ON 909 kHz. (EBU)
- LIBYA EL BAIDA HAS MOVED FROM 1125 TO 1124. (EDU) BASS AWARDS MOVE!-CH MADEIRA EARLY REPORTS WERE WRONG-603 IS NEW AND NOT EX 1001. (EBU)
- MADEIRA NOW 603 EX 1331. (WRTH VIA ARC)
- MADEIRA RD MADEIRA IS TESTING ON 603. (MWSC VIA MW)
- MALTA 1557 R. MEDITERRANEAN IS BACK ON THE AIR W/EE 1000-1900, AR 2100-2230 AND FF 2230-2300. (ARC)
- MEXICO 740 XEZA LOS MOCHIS EX 1600. 1120 XEUNO R. EXITOS, GUADALAJARA 5 KW. NEW. 1448 XECCO R. CANON 5 KW, GUADALAJARA NEW. (MWSC)
- MONTSEERRAT 740/930 NO LONGER BROADCAST IN SPANISH. (WRTH)
- MOROCCO 1053 TANGER NEW WITH 600 KW. TETOUAN-1053 IS CLOSED. 909 AND 1025 ARE NE W. SAFI-1026 MOVED TO 909. SAFI 1323 IS 2.5 KW (EBU)
- MOROCCO SAFI NET C NEW ON 909 kHz 5 KW. (EBU)
- NEW ZEALAND 1404 IXK R. WAVES, PAIHIA 1 KW NEW. 1224 4XF FOUEAU RADIO, INVERCAR 6112 2 KW. NEW. 1532 2ZE R. MARLBOROUGH NEW 1 KW. (MWSC)
- PANAMA R. NACIONAL DE PANAMA CONSISTS OF R. GUAYMI (CHIRIQUI), R. URACA (VERAGUA SI), R. VICTORIANO LORENZO (OCOLE). (ARC)
- PANAMA 1015 HOL.. SERVICIO NACIONAL DE RADIODIFFUSION, BOCAS DEL TORO WITH 10 KW IS NEW. (MWSC)
- PANAMA R. NACIONAL DE PANAMA CHAIN: R. CRISTOBAL COLON (COLON), LV DE TERIBE (BOCAS DEL TORO) AND R. LIBERTAD, PANAMA. (ARC)
- POLAND STRONG NEW XMTR'S HAVE BEEN HEARD ON 1197/1297. (ARC)
- PORTUGAL 693 VISEU EX 692, 828 CASTELO BRANCO EX 827, 1251 CHAVES EX 1250, 1332 ELVAS EX 1331, 1449 COIMERA EX 1448, 1575 EX 1578. (EBU)
- PORTUGAL RDP! IS USING A NEW 50 KW XMTR AT MONTEMOR-O-VELHO. (DSWCI)
- SAO TOME E PRINCIPAL 747 R. NACIONAL HERE EX 759. R. NACIONAL ALSO REPORTED ON NE W 945 WITH 20 KW. (ARC)

SAUDI ARABIA 1161 ABHA EX 1993.  
SENEGAL 1305 DAKAR NOW 20 KW. TAMBACOUNDA NOW 20 KW. (WRTH)  
SIERRA LEONE 944 SLBS HAS A NEW XMTR AT KENEMA WITH 50 KW. 1206 SLBS IS NOW 2 X  
50 KW. (WRTH VIA ARC)

SOUTH AFRICA R. GOODHILL WILL RENT THE OLD CAPITAL RADIO 500 KW RIG AND OPERATE ON  
N 1200 KHZ. CAPITAL ITSELF WILL BE 100 KW ON

535. (UME)

SPAIN R. SABADELL 882 IS NOW A CORE STATION. (PLAY DX)

SPAIN 1314 RCE EN MADRID EX R. CENTRO, 1602 R. ELCHE EX 1584. (ARC)

SPAIN 1210 RP DADAJOL EX 1224, 1210 RP PUERTOLLANO EX 1224. EAWRC VIA MNW

SPAIN RCE GERONA ON 1386 EX 1395 KHZ. (DSMCII)

TUNISIA DJEDEIDA HAS MOVED FROM 629 TO 639. (DXC) VIA MNW

UPPER VOLTA THE BOBO-DIOULASSO REGIONAL STN IS HERE FROM 1593. G/DPR IS 2400 DAY

LY. 1341 REPLACES 747 IF XMTR BREAKS. (WRTH)

VATICAN CITY A STATION HAS BEEN HEARD ON 505 AND REPORTED BY THE MONZA EBU MONIT

DRING STATION. (EBU)

VEZUELA 1400 YV.. R. BAHIA, BARCELONA IS A NEW STN. YVSP 1410 KHZ, VALEFA IS A

NEW STN WITH 10 KW. (ARC)

VEZUELA R. NACIONAL DE VENEZUELA HAS BEEN HEARD ON 650 KHZ. (ARC)

VEZUELA 1590 YV.. R. METROPOLITANA IS A NEW STN FIRST HEARD EARLY IN DECEMBER

R. LOCATION UNKNOWN-POSSIBLY MARACAIBO FROM ADV.

(ARC)

VIRGIN ISLANDS A RELAY STATION IS SAID TO OPERATE ON 1421 KHZ. (ORT VIA MNW)

WALLIS ET FUTUNA A RELAY OF 1186 KHZ IS PLANNED ON 1099 KHZ. (IRC)

ZAMBIA LUSAKA IS STILL ON 818 KHZ, NOT 819.

ZIMBABWE HARAGE IS 565 NOT 5841 GATOOMA IS 791 NOT 7921 QUE QUE 15 1367 AGT 1364  
KHZ.

## INTERNATIONAL DX DIGEST

CHUCK HUTTON  
1035 LATIMER ROAD  
DECATUR, GA 30033  
(404) 633-1198  
BEFORE 2300 ELT

II

Times are GMT. For ELT subtract 5 hours. Deadlines are usually Monday.

Guess I have a bit of explaining to do, right? Simply put, I typed the column on schedule last week. Some horrible subconscious premonition must have kept me from putting it in the hands of the good old USPS as one way or the other it didn't get mailed. Discovered my mistake when I picked some books up from the top of the refrigerator and there was the envelope. Some editor, huh? Can't even remember to mail his column.

Somebody call and remind me next week in case I forget again.

Then on the other hand with a column this small maybe it won't be worth the phone call....

595 DOMINICA Roseau 0230 1/10 ES prescher and religius program. Good. (Hakiel)

610 COLOMBIA Bogota HJCL 0536 12/22 lively accordian mx, "Radio Cadena Nacional de la Colombia" ID u/WIP and WIOD. (Hakiel)

630 PUERTO RICO San Juan WQES 0716 1/3 lovely LA mx, ID given, xlnt. (Hakiel)

650 COLOMBIA Bogota HJX 0712 1/3 typical Colombian mx, Em. Monserrate ID, xlnt. (Hakiel)

655 EL SALVADOR 0227 1/10 LA mx w/bongo drums, SS talk, fair. (Hakiel)

670 COLOMBIA Medellin HJPL 0604 12/22 Colombian mx, vocals, R. Calidad ID, fair-good. (Hakiel)

715.5t ECUADOR Portoviejo HCBG 01:50 1/1 LA mx, SS talk, seldom heard hero-poor. (Hakiel)

720 JAMAICA Kingston RJA 0513 1/6 nx on the hour then pop mx. Time announcement at 0513, phone in program at local-like volume, xlnt. (Hakiel)

735 ECUADOR Quito HCBH 0550 1/2 uptempo Latin beat mx, R. Melodia ID, fair-good signal. (Hakiel)

760 COLOMBIA HJAJ 0800 1/10 w/xlnt ex dominating towards the south; mentions of Barranquilla and Colombia heard along with music/news. WJR was off. (Malicky)

765 SENEGAL Dakar 0649 1/8 language of unknown origin, good. (Hakiel)

770 PANAMA HOLA7 0720 1/14 R. Nacional w/fair to good signal o/u WABC w/mx, meaning Panama ab 0230. (Malicky) Just a slight chance this could be Venezuela rather than Panama, John. The ID is the same-CH

783 PORTUGAL Porto-Miramar 0645 1/8 PP talk, fair signal. (Hakiel)

810 BAHAMAS Freeport ZNSJ 0521 12/19 spiritual song "Where Shall I Go". Ads for local stores and gospel hour program, xlnt. (Hakiel)

825 PANAMA Macaracas HOR56 0550 12/19 wild accordian, band mx, R. Peninsula ID, xlnt. (Hakiel) This is a station I like to listen to-just absolutely wild, non-stop Latin mx-CH

850 PERU Lima OAXHLA 0510 12/19 in and out with fading periods, piano mx poor-fair. (Hakiel)

855 SPAIN Murcia 0655 1/8 SS mx, SS talks, time pips at 0700, fair. (Hakiel)

870 ARGENTINA Buenos Aires LRA1 0600 12/30 time pips heard followed by nx. Signal improved by tilting loop to 45 degrees. Fair signal, also good on 1/3. (Hakiel) Not a trace of them here for the last few months. There ain't no time like summertime to here the deep SA's I say-CH

870 PANAMA Panama HCHO 0700 12/19 man singing LA ballads, R. Musical ID, good. (Hakiel)

895 HAITI Gonaives 4VB 0104 1/3 island mx w/bongo drums, accented PP talk, fair signal. (Hakiel)

905 ECUADOR Guayaquil HCB02 0310 1/8 nice bouncy LA mx, R. Expectaculo ID, good. (Hakiel)

915 ECUADOR Machala HCRO3 0337 12/31 LA mx, SS talk, "Ondas Orenses" ID, fair-good. (Hakiel)

917.7 NICARAGUA Managua 0300 1/8 SS mx, SS talk, R. Mundial ID, good. (Hakiel)

965 ECUADOR Santa Domingo de los Colorados HCOOT1 0459 1/8 LA mx and vocals, R. Zarzany ID, abrupt s/off at 0459-click then out. Fair. (Hakiel)

## WQTV Applies For Bankruptcy

By LISA BAXTER  
Of The Tribune-Review

Latrobe radio station WQTV filed for Chapter 11 bankruptcy in Federal Court in Pittsburgh on Friday, claiming a New Year's Eve fire that wiped out the Commercial Building destroyed its offices, studio, equipment, and all books and records except for 1981.

A voluntary Chapter 11 bankruptcy permits a company to reorganize and remain in operation while a repayment schedule is worked out with its creditors.

The station, owned by Regency Broadcasting Corp., claims in its bankruptcy petition that it has debts of \$1,019,917 and assets of \$20,466, including a \$10,000 transmitter and expected insurance payments of \$161,000. Regency President Nick Curvello of Monroeville said the station lost an estimated \$163,000 in real property due to the fire.

Curvello said the station was in debt but denied WQTV would go permanently off the air. "There are a couple of shareholders mad at us, but we have satisfied a PNB loan."

A \$27,461 PNB loan is still listed listed among the radio station's creditors on the bankruptcy application. Other creditors include Curvello, \$150,000 for wages due from 1973-83; another claim by Curvello for \$44,468 he invested in the company; state and federal back taxes of \$29,590; Hope Bank, Pittsburgh, \$10,000; Greensburg attorney David Millstein, \$8,104 in unpaid legal fees; United Press International, \$8,000; BMI, a music licensing company, \$7,800; and Dorothy Hunter of Latrobe, \$1,923 for 1983 real estate commissions.

Additionally, there are judgments by two stockholders totaling nearly \$100,000 filed in Westmoreland County. Ronald and Mary Amadeo of Greensburg Rd. 4 are owed \$48,600. The other lists a \$17,000 claim by Charles Lukitsch of Crystal Lake, IL. Ronald Urgitis

of Prescott, Ariz., described by WQTV attorney Jon Lewis as a former stockholder, claims he is owed \$15,000.

Lewis said he filed for the voluntary bankruptcy to stave off attempts by Lukitsch and the Amadeos to put themselves ahead of the other creditors and be paid first. Lewis said that immediately after the fire, the two stockholders attempted to claim a portion of the anticipated insurance proceeds and a WQTV checking account to satisfy their claims against the station, incorrectly assuming that station was out of business, he said.

"Between \$10,000 and \$30,000 of that checking account was money collected over the holiday for Children's Hospital," Lewis said. "We filed the Chapter 11 to insure that all the creditors would get repayment and not one or two at the expense of Children's Hospital."

Neither Lukitsch nor the Amadeos were available for comment.

The station is now operating from the Mellon Bank building on Ligonia Street, with what was WQTV's mobile broadcasting equipment. Curvello said a new console, furnitures, microphones, and tape recorders had been ordered but would not be installed until "we meet with the insurance people next week."

Curvello said the station's lease with Mellon Bank "runs through the end of this year," but he would not rule out the possibility of building a new station or moving back to the old location if Latrobe dentist George Sweeney, owner of the Commercial Building, decides to rebuild. "He has already called us and said he would welcome us back as tenants if he rebuilds," Curvello said.

An investigation into the cause of the New Year's blaze that also destroyed several other businesses is still incomplete, according to Latrobe Fire Chief Regis Kessler.

## WELCOME:

DARYL JANNUZZI OF RACINE, WI  
CHARLES HUNZIKER OF BRIDGEPORT, CT  
DOMINIC COSTABILE OF FAWKNER, VIC.

AUSTRALIA

MICHAEL DROUIN OF ENFIELD, CT  
EDWARD SCHUBER WA2SKD OF

HADDON HEIGHTS, NJ

JEFF ROSS OF SERGEANTSVILLE, NJ

AUGUST J. HARAY OF LONG ISLAND

CITY, NY

WILLIAM J. MARTIN OF WILMINGTON, DE

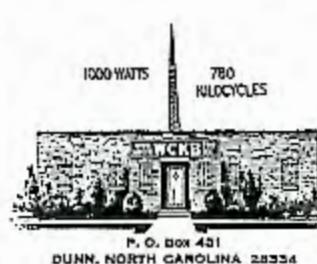
MUSE AND SUPPORT THE COLUMNS !!!!!

## RENEWALS:

CESAR OBJIO  
HARRY WALDRON  
GEORGE SHERMAN  
HARRY MORGAN  
ESA HANNINEN  
ROBERT BENNISON  
M.J. STUTTERHEIM  
ROBERT WALKER  
JOSEPH GAFFNEY  
DENNY LEE AKINS  
MICHAEL SAAP

LEON MAC GILL  
HARRY ABELMANN  
CLIFF RENO  
ERIC BREON  
ED SATTERTHWAITE  
ERIC NORBERG  
GORAN ERIKSSON  
JERRY MARAND  
Ned DUVAL  
LOUIS PODA  
DOUGLAS JUEN

THANKS A BUNCH FOR REJOINING  
WITH THE BEST !!!!!



# TOP END

CRAIG HEALY  
66 COVE STREET  
RAWTUCKET, RI 02861

1600-1800 KHz RANGE TIMES ARE GMT

The response has been very positive to the January column—Thanks! The deadlines here are simple: What I receive by the last day of the month is included in the next column. Times used here are GMT.

Among the signals in this frequency range are the ever-present TV sweep harmonics that we all know and hate. They are found on: 1604.895, 1620.629, 1636.363, 1652.097, 1667.832, 1683.566, 1699.300, 1715.034 1730.759, 1746.503, 1762.237, 1777.971, and 1793.706 kHz.

From Sheldon Remington: He is hearing a beacon on 1700.15 kHz with the call "ZM". The first dash in the "M" is double length as if it was a keying error, perhaps "ZK" or "ZH". Sheldon finds it loops Southeast from his location. Bruce Portzer had the same thing, bearing SSE/NW. Fadeout at Sheldon's was about one hour after local sunrise on 1-25. A check of the Beacon Guide and subsequent updaters came up empty. Anyone else want to take a bearing on it?

I've noticed fairly strong harmonics from some of the graveyard stations. If WXY-2500 is in well, I'll check 2460, 2480, 2680, 2800, 2900; and 2980. Lately, WCOU in Maine has been heard well on 2480. A harmonic of a drive-in movie sound transmitter was heard last fall on 3120 with typical snack bar promos, etc. Was 4x780, 3x1040, or 2x1560. None of these frequencies would be any good near RI, and there was considerable fading as well. A check of the newspaper showed that no local or semi-local theatre had the movies that were on this station. Harmonics can be fun to find and give you a chance to hear a station you might never catch any other way.

The bandscans that I am receiving are going to be saved and a composite scan printed. Many signals are strictly local and to include them would make things too unwieldy. Those signals that are heard by two or more people or have the potential to be heard by others will be included. Some individual items are put in the loggings section.

Speaking of which:

.....  
1638 ??? U288 Call heard 0247 1-30. Call given three times, dash before and after. Repeats about every five minutes. (Healy)

1644.9 CALIFORNIA Newark-Local, loud day and night. Steady 400Hz A.H. tone. Allegedly Coast Guard marker. (Remington)

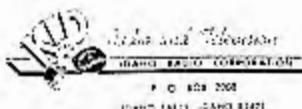
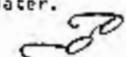
1918 IDAMO Council-0320 4-4-B2 (but may still be there) Seventh harmonic of "CQI"-274 beacon. (Remington)

2480 MAINE Lewiston-WCOU 0045 1-30 Fair on second harmonic with "Your Star Station, H-C-O-U" ID into rock mx. (Healy)

Credits: Sheldon Remington-Fairfax, CA. ICOM IC-551 with converters, longwires, loops, phasors, tuners, kitchen sink.

Craig Healy-Pawtucket, RI Same as last time....

.....  
Looking for a real DX challenge? Is Falklands-536 a pest for you? Try for the "3HG" beacon on 1600 kHz. Location is Palmer Station, Antarctica, 'Til later.



KAWL  
KAWL RADIO ROCK  
A PERIODIC STATE BROADCASTING STATION  
KAWL BUILDING  
YORK, NEBRASKA 68046  
PHONE 308-442-4222  
FAX 308-442-4223

**KWYS**  
BOX D-WEST YELLOWSTONE, MONT. 59752  
  
K.F.E.L. radio  
440 acoustic ave.  
studio, 600/1400/2000  
Semax Music Co.

(12) 980 CUBA Hwy CMKD 0400 1/11 Cuban mx, ID given. (Hakiel)  
980 CUBA Bayamo CMKD 0401 1/11 this R. Reloj stn popped up while listening to CMKD. Only 250 watts. (Hakiel)  
957.4 UNID 05L5 12/25 accented FF talk, happy songs w/vocals and mentions of carnival-sounds like Haiti to me. Good signal. (Hakiel) Good ear, monsieur. It's R. Caiciques who wanders from 980-1000. On GRENADA 0200-0359 1/13 R. Free Grenada fair w/distortion, fading o/WHO w/BBC nx, religious program, MoR mx, ad for Caribbean magazine. S/off w/"Radio is a powerful means... we ask that you bless us all Lord ". (Malicky)  
1055 COLOMBIA Sapinal HJFZ 0400 12/23 SS talk, LV de Centro ID, fair. (Hakiel)  
1070 VENEZUELA Maracaibo YVMA 2250 12/27 SS talk, R. Mundial Zulim ID, good. (Hakiel)  
1121 COLOMBIA Cucuta HJTI 0650 1/3 Colombian mx, R. Tonchala ID, good. (Hakiel)  
1315 DOMINICAN REPUBLIC R. Boni 1/7 LA mx, vocals, SS talk and Radio Boni ID. (Hakiel)  
1360 VENEZUELA Maracaibo YVTI 2300 12/29 SS talk, LA mx, Catatumbo International ID, good. (Hakiel)  
1420 VENEZUELA Maracaibo YVNL 00L2 1/11 LA mx, SS talk, Radio Vision Marabina ID, heard through a mess of many stns. (Hakiel)  
1460 TURKS AND CAICOS Governor's Beach (cught to be "Smuggler's Beach-CH) 2211 1222 BBC nx, when ex are auroral this stn becomes dominant on the channel. Fair signal. (Hakiel)  
1470 COLOMBIA Medellin HJIM 2307 12/27 SS talk, mx vocals, R. Musical ID, good. (Hakiel)  
1470 CUBA Cardenas CMDD 2301 12/23 SS talk, R. Ciudad Banderas ID w/ domestic QRM. (Hakiel)  
1520 COLOMBIA Barranquilla HJLQ 2330 1/10 SS talk by man and woman, R. Minuto ID, good. (Hakiel)  
1540 BAHAMAS Nassau ZNS1 0031 1/7 death notices, xlmix sig. (Hakiel)  
1570 MEXICO Ciudad Acuna XERF 0711 12/22 much SS talk by man and woman, call letter ID, good. (Hakiel)  
1593 WEST GERMANY Langenborg 0528 1/9 semi-classical mx, GG talk, good. (Hakiel)

And a mis-sort....

530 COSTA RICA Cartago TICAL 0430 1/1 LA mx, R. Rumbos ID, good. (Hakiel)

George Hakiel-W. Islip, NY  
John Malicky-Pittsburgh, Pa.

R7A, R70, 4' box loop, LW's  
Aiwa AR15B

Welcome to John Malicky. It's nice to see a fresh name, especially when some of the old regulars are taking a rest. I think it's about time for a few new names to pop up and become IDXO regulars. As one can quite readily see space will be no problem whatsoever. See you next time....

FROM: RALEIGH, NC NEWS & OBSERVER, FEB. 1, 1983 (TUE) COURTESY=BILL COLEMAN, JR.

## Station's sale boots WRZR off airwaves after one year

One year to the day after WRZR, 1150 AM, Raleigh changed its call letters from WYNA and changed its format to top 40 from country. The station has gone off the air. The station announced Monday that it would be signing off for the first time.

Bob Bender, general manager and owner of WRZR, said Monday that the station had been doing well but that within the past few days he had received an offer to

buy that he couldn't refuse. He would not identify the buyer. Approval of the sale is pending before the Federal Communications Commission.

Until the sale is completed, the station will remain silent. The new owner probably would sign on with new call letters and a new format, Bender said.

"I would rather go out on a high

note," Bender said, "one year exactly as WRZR. My staff feels much the same way as I do about it. We're sad, but we're proud of it. We all put everything we had into it."

WRZR has had to operate under FCC limits that are designed to protect radio stations from interfering with each other's signals. The station is allowed to broadcast at no more than 1,500 watts and only during the daytime.



**KCNW-AM 1030**

P.O. BOX 481, CHANUTE MISSOURI 66331

BOURGEOIS, MISSISSIPPI 38831

## MULTI-ROD FERRITE LOOP ANTENNAS

Dallas Lankford  
(c) 1983

I have never been completely satisfied with the single-rod ferrite loop antennas I have used for several reasons. All have required amplification for best sensitivity because their unamplified outputs are not sufficient to drive my receivers (R-390A's, HQ180A, HQ150). When amplified, the noise floor of the loop is on the same order of background noise during quiet periods. It is not known whether this limiting noise is amplifier noise or the noise floor of the ferrite rod antenna, but the former is suspected based upon calculations in Lankford [1981] and my experiences with multi-rod loops described below. Also, all amplifiers I have used seem to exhibit some distortion products in the presence of very strong signals. So I have been experimenting with multi-rod loop antennas to determine whether they produce significantly higher output voltages and are more sensitive than single-rod loops. My experiments have demonstrated to my satisfaction that they do significantly increase output voltage and are more sensitive than single-rod loops. These conclusions are qualitative because they are based upon listening comparison tests with a home-brewed amplified loop whose sensitivity is comparable to a Space Magnet.

Theoretical analysis of ferrite rod loop performance is notoriously difficult for the simple reason that actual ferrite rod loop antennas often do not perform as predicted, see, for example, Grinnell [1954,1955] who discusses this subject in greater detail. Furthermore, all of the theoretical formulas refer to single-rod loops, so there is currently no theory upon which to base multi-rod designs.

A loop antenna, whether amplified or unamplified, can always be considered as an unamplified loop antenna driving an amplifier (either the loop amp or a receiver) with a certain noise figure, NF. The noise floor  $N_0$  in dBm of an amplifier with noise figure NF in dB is given by

$$N_0 = 10 \log(kTB) + NF$$

where  $k = 1.38 \cdot 10^{-23}$  is Boltzmann's constant, T is the temperature in degrees Kelvin (usually taken as 290), and B is the bandwidth in Hz. Minimum usable selectivity for AM listening is on the order of 2 kHz, so we take B = 2000 and obtain

$$N_{AM} = -141 + NF \text{ dBm}$$

For the sake of discussion let us assume an amplifier with a 6 dB noise figure and an input impedance of 200 ohms. The noise floor is thus -135 dBm which corresponds approximately (using  $P = V^2/(R\sqrt{2})$ ) to a signal of 0.095  $\mu$ V across 200 ohms. Let us suppose the amplifier with 6 dB noise figure is fed by the link coupled loop described in Lankford [1981] so that 0.74 V<sub>s</sub> volts appears across the 200 ohm load, where V<sub>s</sub> is the magnitude of the signal strength in volts per meter. Let us also make our assumptions more like reality by assuming loss in the link coupling reduces the voltage across the 200 ohm load to 0.37 V<sub>s</sub>.

It has previously been hypothesized in Lankford [1981] that man-made noise of about 0.2 - 0.3  $\mu$ V/meter limits sensitivity on the ECB throughout most of the continental U.S.A. So it follows that the hypothetical single-rod loop produces as little as  $(0.37)(0.2) = 0.074 \mu$ V across 200 ohms, which is slightly below the 0.095  $\mu$ V noise floor of the amplifier. Comparison listening with a 100 foot long wire has confirmed that during low noise periods man-made noise is generally inaudible or barely audible with all single-rod ferrite loops that I have used, which suggests that the above theoretical analysis is reasonably correct.

A similar analysis also shows that the sensitivity of our hypothetical loop is about 0.8  $\mu$ V/meter for a 10 dB signal to noise ratio. Space Magnets generally have a measured sensitivity of about 1.5  $\mu$ V/meter, so the theoretical analysis tends to predict slightly better sensitivity than in practice. Worcester has mentioned to HQ that Space Magnets have a somewhat lower Q than the 180 value assumed for our hypothetical loop which would bring the sensitivity magnitude up.

The above analysis assumes an amp with a 200 ohm input impedance, which is typical of bipolar amps and common gate FET amps. A similar analysis can be given for high impedance amps (such as common source FET amps) with direct coupled loops. Using 24.7 V<sub>s</sub> and 300,000 ohm input impedance we get an amplifier noise floor of 3  $\mu$ V which is covered by 11  $\mu$ V of loop noise. But while a direct coupled loop feeding a high impedance amp would seem to be advantageous because of improved sensitivity, the higher output (24.7 V<sub>s</sub>) unfortunately degrades strong signal handling performance. This

strongly suggests that balancing both loop and amp is required for good strong signal handling performance when using high impedance amps with direct coupled loops.

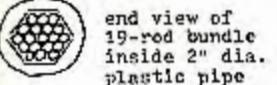
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Our analysis above has shown that greater output voltage is required to improve the sensitivity of ferrite rod loop antennas for the ECB when using link coupling to low impedance amps. However, significantly larger rods are generally unavailable as well as expensive. Larger and longer rods can also be made by "bundling". In a lengthened bundle there should be considerable overlapping of rods, see, for example, Hagen [1977].

My experiments were prompted by a cheap source of ferrite rods: ETCO Electronics, North Country Shopping Center, Rt 9 North, Plattsburgh, N.Y. 12901 sells 8 inch by 3/8 inch ferrite rods for 29¢ each (25¢ each in orders of 10); write for their catalog which will have up-to-date prices and availability.

My first experiments were with a 7-rod bundle (no overlapping) wrapped with black vinyl electrical tape in a "hexagonal" bundle. Other configurations are possible, but the hexagonal configuration provides good mechanical stability. The circuit I used is given below and fed my HQ180A.

Output was significantly better than an unamplified space magnet, but not adequate for the HQ180A without amplification. So a larger version with 19 rods was tried. The bundled rods were taped as before, wrapped in insulation, and stuffed inside a 10" length of 2" dia. plastic pipe. L<sub>1</sub> was 34 turns, and L<sub>2</sub> was 2 turns for best match to the '180. Capacitor C was a 365 pF variable with gear reduction tuning.



Listening tests during the last few weeks suggest that the 19-rod loop is about optimal for the '180. During quiet daytime periods man-made noise is clearly audible throughout the ECB with S-meter readings in the S 0 - S 1 range. I should mention

that my '180 has been modified like late production '180's so that S-meter readings are very close to the 6 dB per S-unit ideal. At night atmospheric noise is typically S 1 - S 3, with man-made noise evident on quiet nights (through occasional "holes" in the usual slop). Daytime weak-signal reception is outstanding, with readable signals produced when my GE Superadio or amplified TRF loop (the front end of a Radio Shack TRF) produce little or nothing. Very little improvement is noted during nighttime listening over other loops, primarily because higher nighttime signal levels produce "slop" which is frequently considerably above man-made noise. On quasi-slop-free split frequencies the 19-rod loop has a slight advantage in extracting signals near the noise level. The 19-rod (unamplified) loop also seems to have slightly better strong signal handling performance than any amplified loop I have used.

Lengthening (by overlapping rods) was not tried because it was desired to keep the overall size of the multi-rod ferrite loops as small as possible. For single-rod loops, best performance for a given amount of ferrite is obtained with large length to diameter ratios (typically 20 to 1). This suggests that the optimal configuration of rods is lengthening by overlapping so that a 20 to 1 length to diameter ratio is maintained. Unfortunately this approach leads to stability problems (the rods must be glued for good mechanical stability; a support for long, multi-rod assemblies must be devised, etc.).

As we have said before, there is presently no theoretical treatment of multi-rod ferrite loops. If it is assumed that all single-rod formulas apply in the multiple rod case, the formulas would seem to predict little improvement. For example, assuming all other factors constant, the voltage output of a ferrite rod loop varies as the product ANH<sub>rod</sub> where A is the cross sectional area, N is the number of turns, and H<sub>rod</sub> is rod permeability. Our 19-rod antenna has a length to diameter ratio of about 4/1 so that its permeability is about 1/4 that of a single rod. A single rod loop for tuning the ECB with a 365 pF variable is about 110 turns, so the 19-rod loop would have  $4(34/110) = 1.24$  (1.84 dB) the output of a single rod. I can definitely tell you that the preceding theoretical analysis is incorrect because the 19-rod loop has about the same output as an amplified single-rod loop. I don't have equipment for precise measurements, but estimate the voltage gain of the 19-rod loop as about 20 dB over a single-rod loop. This agrees with graphs in Grinnell [1954,1955] which show that voltage output increases approximately linearly with diameter while keeping length constant. On the basis of Grinnell's graphs the increased output would be  $20 \log(5) = 14$  dB. We should emphasize that Grinnell's graphs are for single-rod loops, but our multi-rod experiments suggest that similar graphs describe multi-rod loops.

(16) The multi-rod loops did not seem to have deep or well-defined nulls, so balancing may be useful. No efforts were made to optimize wire size or coil placement and length. For single-rod loops solid # 30 or litz wire is optimal, but no information is available for multi-rod loops. I used #18 stranded copper because it was handy.

Output of the 19-rod loop was not quite adequate for my R-390A's or HQ150 so I plan to try out some amplifier designs or a 37-rod loop.

It is hoped that these notes will be useful to other ECR DXers who are experimenting with ferrite rod loops.

Permission is given to the National Radio Club to copy and/or otherwise use all or parts of this article.

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## WLKW-FM enjoys biggest increase in Arbitron ratings

By TONY LIJCE  
Journal-Bulletin Staff Writer

Results of the Arbitron radio survey to be released this week show significantly more people listening to WLKW-FM, WBRU, WSNE, WEAN and WGNG, and significantly fewer listening to WPJB, WHJY and WHJY.

The survey measures "shares" of the radio audience in Rhode Island and Bristol County, Mass. A share — the percentage of listeners, age 12 and older, who are tuned to a station during an average quarter-hour — is only one aspect of listenership measured by the survey, but it generally is acknowledged as the way by which overall popularity is judged.

WLKW-FM, which plays "beautiful music" and which long has enjoyed the largest share of the area audience, saw the biggest increase, 1.9 points. (Its AM affiliate, which broadcasts music from the '40s and '50s, slipped slightly in the ratings, however.)

Though WBRU and WGNG still command relatively small percentages of the audience, their shares are roughly twice what they were six months ago when the last survey was conducted.

BOTH STATIONS have changed their formats since then. ERU went from album-oriented rock to "timeless rock" (a combination of old and new hits), and QNG switched from oldies rock to country.

WPJB, which broadcasts album-oriented rock, fell the biggest loss in share points, 3.7; the drop was the single biggest movement, up or down, measured by the survey. But the station's AM affiliate, WEAN, a news/talk station, climbed a healthy 1.3 points.

WPJB wasn't the only album-oriented rock station to lose points. WHJY, a relatively new

#### Radio ratings

Station	Format	Share (current)	Share (previous)
WLKW-FM	"Beautiful music"	12.6 10.7	
WBRU-FM	Top 40	9.6 8.2	
WHJY	Album-oriented rock	8.9 10.4	
WPRD-AM	Middle-of-the-road pop	7.0 7.8	
WEAN	Newspop	5.9 4.6	
WSNE	Salt rock	4.6 3.2	
WLKW-AM	'40s/50s	3.8 3.6	
WHJY	Country	3.7 3.4	
WPJB	Album-oriented rock	3.6 7.3	
WHJY	MCR pop, Red Sox baseball	3.2 4.9	
WMYS	Contemporary	2.9 2.2	
WBRU	"Timeless rock"	2.7 1.3	
WGNG	Contemporary	2.1 2.2	
WGNG	Country	1.3	

station that jumped dramatically from 8.8 to 10.4 during the last survey, slipped back to 8.9 this time. Its AM affiliate, WHJY, which features middle-of-the-road pop and Red Sox baseball, lost even more ground, falling from 4.9 to 3.2.

MANY IN the radio business assert that the Arbitron survey is on shaky statistical ground, at best. It is based on entries made into diaries placed in about 2,000 randomly selected households, and it's hard to know how faithfully the diaries are kept.

Most radio people agree, however, that Arbitron is important as a marketing tool, since national advertising agencies rely on it in deciding where to spend their clients' money.

PROVIDENCE JOURNAL  
TUESDAY 11 JANUARY 83

CHARLES HARRISON

## MUSINGS

The opinions expressed in this column are those of the individual members, and do not necessarily reflect those of the editors, publishers or NRC.

#### PAUL STAYS BUSY

PAUL MOUNT - 471 Emerson Ave. - Teaneck, NJ 07666 1-18  
1983 began with a call from VINCE PINTO saying PRN-1620 and NGUT-1620.1 were on New Year's Eve; I was out. Since about a month ago I run my DX tape in a stereo deck, with the DX in one channel and WWV in the other - my cassette radio has a poor but adequate enough for WWV SW section otherwise unused. MM 1-3 the A index was 10 and K index was 1. Tentative WJEJ-1240 saying "concludes broadcast day from WJEJ" 2:05, but it doesn't matter - they're no longer needed here. hi. WWD-NY and WGBB-NY and an UnID TT'er were also in thru 2:18. WFEC-1400 good w/ "hot Hits" CHR format 2:37-3:10. A hot hits format, be it a true Mike Joseph-consulted station (WCAU-FM, WBZ-FM, WHF, and soon KBRC-SF) or just one using the jingle package uses a lot of jingles, like for the weather, under the weather, after the weather, and under PSA's, in addition to just between songs. Report sent and letter back within a week. Letter doesn't specifically verify but it does say that I was listening and as there's no doubt in my mind that it was indeed WFEC I was hearing. I'll count it as verified; there are the correct call letters on the paper and it is signed. Also sent hot 14 of 1982 list (shortest year-end SC I've ever seen) and coverage map. WELM-1410 Elmira, NY getting to be an MM regular, CHR mx 3:16-3:34 finally ID'd, mentions Lake Roser. WGBS and WNBC had been off but back by 3:30. Took a log on CJSB-540 ("everybody's new local") for a report to them 3:38-4:05 w/ mx at 4:00. SS on 600 w/ "Radio Libertad!" shouted 4:45, 4:49, probably HJH-Colombia; gave way to Cuba/WICC by 4:57. Stayed up past 6 but nothing else of note - had the day off. Have enjoyed (pre-phone bill, hi) recent conversations with ED RYAN, PETER NOLAN, WHEELER CONOVER, VINCE PINTO, JOE FELA, and RON MUSCO.

#### URNS OVER A NEW LEAF

TERRY A. KIMSEK - 9720 Vickie Place - St. Louis, MO 63136 (314) 868-7274 prepaid only! 1-20 (Rec'd 1-24) Hello gang, what day is it? DX has almost ground to a dead stop recently. My new job as Production Manager at a new Shoney's restaurant has me almost living there. Like 12-hour days! (Try 14 for a new thrill, hi - pls) After 2 weeks of work, I finally got off after only 8 hours work - amazing. I hope I will get a little DX time in with this new job. I did stay up AM on 1-16 to catch both DX tests, and I got 'em but they were not easy! I received 13 awards from MALCOLM MAXWELL, the NRC awards chairman today, and they are very nice looking, to be sure! For those visiting me, my shack and/or my home, no more four-letter words will be allowed at any time. The last three meetings just went way overboard. I now walk with the Lord, and read and study my Bible daily. Yes, friends, I guess I am a Jesus Freak now, but he did lead me to a great job, help me keep my home, and make my marriage stronger than before. I will not preach to you if you come over, but if you want to talk about what makes me feel so great then I will discuss Jesus with you. I ask that all NRC'ers respect my views as I respect their views. That's all for this time. Good DX to all, and may the peace and blessings of our Lord, Jesus Christ, be with you all. CU in 7 de TAK.

#### NOT HEARING FREQUENCY CHECKS

NEIL G. ZANK - 623 Lyncrest Dr. - Lincoln, NE 68510 1-24 (Rec'd 1-26)  
I believe that I am picking up with new ground with this Must from my DX location. The only new log catch since last I wrote was 1-16 WPMF-1580 Pascagoula/Moss Point, MS on ET, 2:5503:08 am with TT's, OG, and several VID's. This with a good signal, with slight WCLS in the background. Other stations mentioned in my notebook are random. 1-17 KRDC-1470 Abilene, TX with oldies rock mx. 2:25-2:30 am, seldom heard here due to local KLMS on 1480. KLMS happened to be into one of their rare testing periods, so were on and off sporadically. 1-22 WGMF-1310 Fairbury, NE on ET 2:25-3:10 am with much OG, some rock mx and one VID. Did anyone else note this one?? 1-22 SSS KVET-1310 Austin TX holding the freq. 6:35-6:40 pm with female DJ in mx, ID, and into c&w mx. On 1-23 SSS I worked my ears on one which I have wanted for a couple of years, namely CBQ-800 Thunder Bay, ON. A few teases, but again nothing firm. From 5:45-7:15 pm it was CKLW, then KQAD, then CKLW again till XEROX started to rear its sombreros. Maybe next time ... One comment I will make is this. I love to DX on PM, especially in season. There is nothing topical enough about this area which warrants a weekly coverage that I can see. The station changes, technical articles, and equipment reviews have been covered quite thoroughly elsewhere. And I am sure this will continue. On the MW scene, I have not heard a frequency check all season here. I am afraid this is a dying pastime. One problem I have encountered more than ever before this season is in ID'ing a new station, but not

(Zank, continued) being able to tie down enough material to send a good reception report. It has just frustrated me a little more this year than ever before. But I log what I hear in my personal records; I started out in this hobby to see just what I could hear. And I have heard a lot of things which I never dreamed I would hear in the beginning. And a lot of it was from help I received through being an NRC member (me, too, Neil - pls).

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#### NEWS FROM BIG D

WALLY WANRO - 2706 Clover Valley Drive - Garland, TX 75043 (214) 226-1272

1-23 (Rec'd 1-26) If you've noticed a lack of big band music on 1080 recently, and in increase of news and news features, it's because KRLD-1080 has dropped music programming to concentrate on being a 24-hour/day news station. According to an article in one of the local papers, KRLD wants to become the "station of record" for the Dallas-Fort Worth area. KRLD will continue to be the flagship station for the Dallas Cowboys, and also carry their Neil Sperry garden talk show on Saturday and Sunday mornings (9:00 am to noon). Sperry is the ultimate gardening expert in the southwest and his show is a must if you have your own backyard plot like we have! Ed Busch, late of RKO's America Overnight is back on the air locally, doing weekend talk on WFAA-570. This is his third stint on "Newstalk 57" and he's heard Saturday and Sunday from 3:00 pm to 7:00 pm. There's talk of possibly forming a network to carry his show to other markets but nothing definite. I also understand that WGBS-710, Miami, is going all talk in February ... this from a former local talk host who has moved to Miami as part of their change. I recently sent a daytime bandpass from Garland to the "Bandean" column. I heard 105 stations ... most interesting catches included KSOK-1280, Arkansas City, Kansas; KSPI-780, Stillwater, OK; and KXEN-1010, St. Louis, with KKIK, Waco added. KXEN had an excellent signal with very little interference from KLRA. This occurred late afternoon. Speaking of stations on 1010, I once worked for WCSI-1010, Columbus, Indiana. Just before I left the station the Chief Engineer received a request to conduct a DX test. I produced a 20-minute tape especially for the test with rock music, station jingles, and my voice ID's. "This is WCSI, Columbus, Indiana, testing." If I remember correctly, the test occurred in January, 1975, and the Chief Engineer mentioned to me that he did receive reports from the east coast, and that some mentioned that WINS was off that night. If any of you have a verification from WCSI on that test, I'd like to know about it! I noticed in a recent DX column that someone heard a station on 1010 calling themselves AM 1-0-1. I promise to check and find out if that's what WCSI is calling themselves these days, though I believe there is a station in Ohio with the call letters WIOI. More in a couple of weeks; bye for now!

#### FRANK HAS GOOD YEAR

FRANK WHEELER - 6539 Watsburg Road - Erie, PA 16509 (pm 1-24, rec'd 1-26)

I trust you all had enjoyable holidays; we sure did. May 1983 be the best DX year for all of us. Here's a little summary of my DX'ing in 1982. I received 18 new stations, most of them received on sign-off. I got new for-senders: HJAC in Colombia, 1000 kHz. My ECR total is 2539 rec'd., with 1742 verifs. Another hi-light of 1982 was winning the NRC yearly contest and receiving a year's dues to the "DX". I think this is the third or fourth contest I have won down through the years of DX'ing. Another hi-light in 1982 was visiting Mrs. Martha Prauner [Joe's wife]. The only thing is that I was sorry we didn't get there when Joe was living. We enjoyed visiting her, and she enjoyed having us. Appreciation to Ernie for a good job done down through the years for the NRC; may he have great success with his new venture with his program on WOVR-FM.

#### JIM LOGS 11 FROM FLORIDA

JIM WALLACE - 6325 Sand Hill Road - Bellaire, OH 43906 1-22 (rec'd 1-28)

It's been a long time since I've written, so I want to belatedly say thanks to ERIC for all the years he edited Musings. I just hope he keeps contributing to this column, because I always enjoy reading his Musings. In local radio news, the 1600 spot on the AM dial is once again occupied. WANR, Wheeling, WV, signed on 1-1-83. The frequency was silent for nine months after WNFN went bankrupt. WANR is a rock station with an emphasis on current hits. It's co-owned with WAMJ (FM). This DX season has been a good one for me, especially for logging southern stations during all the auroral activity. A couple of periods in November and December were big bonanzas for Florida and Louisiana stations. I logged 13 new stations from Florida. I received v/l's from WDVH-950, Gainesville; WJUL-1600, Atlantic Beach; WUGL-1500, New Port Richey; WTB-1510, Marco Island; WYBC-1510, Cocoa-Merritt Island; WRFC-1550, Coral Gables; WYNN-1550, Tampa; and WKMP-1600, Key West. I'm still waiting for a reply from WNFE-1170, Pensacola. I have received v/l's from just a couple of Louisiana stations: KARF-950, Coushatta, and KJLB-1600, Golden Meadow. KAGY-1510, Port Sulphur; CKLP-1500, New Roads; WJCQ-770, Lafayette; and WYLD-1510, New Orleans have yet to reply. I've noticed a few stations have been especially generous in their replies lately. WNGN-1550, Starkville, MS, sent a v/l, two bumper stickers, a large information packet, a jogging sweat band, and a 45-rpm record, "Pac-Man Fever," WKEX-1290,

(Wallace, continued) Lexington, AL, sent a v/l and a photocopy of my report in one envelope. A few days later, I received another envelope with a CV, a map, info sheets, station forms and an envelope. WJKM-1060, Hartsville, TN, says it would like to get reports from other DX'ers. WKAQ-870, Fast Lensing, NY, also encourages reports and will send your return postage back. WAJE-1550, Ebensburg, PA, says it's moving to 650 this summer. DX tests received include WJEJ-1240, WJPM-1110, and WLV-1250. If you happen to hear WJMF-1290, Bellair, be sure to send me a report. 73.

#### NEAL WANTS TO TRADE SHACK PHOTOS

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NEAL A. PERDUE WDX4MAP - Route 1, Box 154 - Falkville, AL 35622 1-23 (Rec'd 1-29)

Sunset fade-ins and fade-outs can play some funny tricks on the ears, and that is apparently what happened to me on a recent log of mine in DXDX. WPTI on 1530 is still WPTI, whatever the stn with the call that sounded like WDAH is, is a mystery. I'll keep checking on it and hopefully I can clear this up soon. Sorry about the mistake. // The best log of the month (January) has to be the 1910 reception of 1540 KGBC FM, Galveston on 1-2 with KTH absent. The call of the new Lynchburg TV stn on 1250 sounds like WBKX or WPXK but I can never get really good copy on it. Sunset sigs has been good to me the past few evenings with the following newbies in the log: 1250-WHBY AR, Newport; 1330-WJDG MS, Meridian; 1330-HSWL PL, Milton; 1330-WPTD MS, Fulton; 1330-WFVC PL, Tallassee; 1260-WQIS MS, Laurel, and 1460-WKXT OH, Forts-Mt. That brings the Domestic total to 591, so I'm closing in on 600 heard, and at in a little contest with TOM CONNATSER to see who gets there first. Soon, as sunset gets later, I'll be able to catch some SSS during the week as well as on the weekends. // An updated shack photo with old NMO and the R390-A and stuff is available for anyone who wants to trade shack photos. The gear looks pretty good, but I can't say much for ole NMO. // I sure was optimistic when I had 200 WHRF CSL letters made us. I've issued 2 of them in almost 2 years. Get your ears on, Good Buddies. // My vote is to include PW on DXN, as long as it doesn't get out of hand and deprive us of any ECR info. I also think an NRC rubber stamp is a fine idea. And, how about a bumper "sticker" to advertise the hobby and the club? One step further; how about a contest for the bumper sticker design with the winner getting a one-year subscription to DXN for free? 73, amigos.



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#### BILL FINDS SSS DX'ING PRODUCTIVE

BILL BERGADANO - 39 Verble St. - Staten Island, NY 10314 (212) 698-4735

(pm 1-25; rec'd 1-29) First of all, a big hello to Paul for taking over the musings - hasn't seen his shrink lately! (He thinks I'm crazy - pls!) I was the GYDXA editor at one time, and from doing an irregular column, I can appreciate Paul's effort at a weekly. Well, I've got plenty of DX time again - I was "relieved" of my position at the paper - not enough work. So SSS DX phone calls are welcome. Latest DS (newbies are underlined): WEJO, 1470, 5:51 pm, Greensboro, NC, w/ wx rpt, even w/ NJIT; WENO, 1550 kHz, Chattahoochee, FL, 5:38 pm, w/ ID, "Radio for NW Florida," (that catch knocked me out) (Any permanent damage, Bill? - hit - pls!, WAMY, 1580 kHz, Ator, MS w/ s/off at 5:55 pm, followed almost immediately by WEYY, 1580, Talladega, AL, w/ its "When WEYY signs off, even the sun goes down." [haha]). "Maybe they should play Elton John's 'Don't let the sun go down on me', hi. Lastly, 2 things: on the 2-16 WSNN test, the NRC slugs are by yours truly - we have a member by that name? and once again, good luck, Paul! 73's.

#### WIFE ASKS DIFFICULT QUESTION

CRAIG A. COOK - 1513 E. Newton Ave. - Shorewood, WI 53211 (pm 1-25, rec'd 1-29)

The other day, my wife of 12 years asked me a question I'm sure every DX'er has been asked at one time or another. She said, "After all these years you still sit in front of that radio for hours on end; why do you do it? What's the big deal of listening to radio stations?" After all these years I still can't give her a satisfactory answer. How do you explain to a non-DX'er the feeling you get when you hear a 250-watt daytime from 400 or 500 miles away, or a low-powered Colombian during auroral conditions, or a frequency check from a station you've been trying to bag for the last 5 years? All I can say to her is that it's fun, relaxing, and personally satisfying. She walks away with a shrug of her shoulders, and tolerates me anyway. (At least she knows my hobby keeps me away from the bars! Haha) So to all the mother, father, sister, brother, and spouse non-DX'ers, thanks for putting up with us and our radios. It means a lot to us DX'ers to pursue our hobby, but it means even more to us to know that

(Cook, continued) our families love us enough to tolerate our time spent in front of the dial. Thanks again! I put a new battery in my Kowalski loop and hit the dials at sunset the other evening. Four new stations were heard: 1220-WGY, Newburgh, NY; 1270-WOBC, Cumberland, MD; 1570-WORZ, Alton, IL; and also on 1570, WNDY, Marysville, KS. My Kowalski loop was definitely one of the best investments made at my shack. The performance and quality of construction never ceases to amaze me. One of my New Year resolutions was to spend more time on the regional channels. A quick review of my log shows that I should have more stations logged on these frequencies than I do. Time will tell if I'll be successful. Since I'm writing this muse during my lunch hour, and lunchtime is just about over, I'll call it quits for now. (The boss is a non-DX'er and a lot less tolerant than my wife! Hi!) 73's!

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### ERNIE WAVERS BETWEEN THREE RADIOS

ERNEST COOPER - 5 Anthony Street - Provincetown, MA 02657 (tel 617) 487-9337  
1-24 (Rec'd 1-29) Believe it or not, a varie finally arrived - CWV-1490, for reception on New Year's Day, so it paid to go to the radio room rather than the tap room! There must be a lesson there somewhere. That makes the fourth varie in my collection garnered from reception on a January 1. Re: KARL JETER's Musings in the 1-17 DX News; WGMA-1520 is a new 500 D-1 in Spindale, NC, Box 405, 28160. I very much appreciate the plaque issued to me by the NRC via MIKE and SUE KNITTER, which you saw pictured on Page 1 of the 1-17 DX News. I enjoyed just about every minute of my service, boys, and girls too - 'twas a pleasure to serve you-all! Also, thanks to CHARLES GEORGE for his comments on my "Forward - March!" show which he asked for on a cassette. Anyone else want one of my shows? Send me the cassette and the 37¢ postage and you'll get one, postpaid. Send to me, c/o WOMP, Box 2, Provincetown, MA - 02657, please. FRANK ADEN asked if there ever was an NRC Rubber Stamp. Yes; we once had a Board of Directors - hi! (Sounds just like a certain school board, Ernie - pls) HARRY HAYES listed as heard a CHLA-1390 - who's this?? I thoroughly enjoyed GLENN HAUSER's "Report from the Virgin Islands". It's amazing to me to note the differences in reception there from that on the Condo in San Juan, PR. I experienced last April. I'm still trying to figure out what receiver to buy. It seems that it's among the ICOM R-70, the Drake R-7-A, and the Drake R-1000. And, my thanks to HELFE LUTON AND MIKE HARDESTER for their information that my 1455 "Radio Jay" is New Bern, NC - one says WJQI; the other, WJQY. And thank you also to Gary Simonson who tells me he believes my VOA on 1450 is WSB, Bermuda. A letter is off to them inquiring, to be 100% sure, one way or the "tuther". And in closing, a big THANK YOU to all of you guys who have said such nice things about my stewardship of Musings over the years. It looks as though we have a fine editor on the job right now (where? -pls), and so what say we give him more support than I've seen so far? "Forward March!"

### BOSS GETS RID OF FIRE HAZARD

MIKE KNITTER - 2159 Circle Drive - Cambridge, WI 53523 (Tele # on back cover)  
(pm 1-25, rec'd 1-29) Time for a Muse from the boss, hi. Couple of new stns since last time I was in these pages. But never did get around to sending them to the proper column editors. Oh, darn. Id have two that I need help on, that I heard about a month ago. 1120, SS talk, ID'd as "Radio Monte Carlo" and has a Morse Code ID of M-I-L. Is this a new Mexican stn, by chance? Someone let me know. Another one, "Radio Nacional" on 600 mentions Cuba a lot. Who is this guy?? That WHIM test a few weeks ago was sorta fun; it took me 15 minutes to find it. Thanks, Mr. HEALY for the test; it was a new stn for me! Spent the day cleaning up my DX gear; I had a squeak coming from the tape deck. A wad of dust was on the fan blade and hence the noise. I normally clean my gear up, oil and so forth, about Sept. or just prior to the season. This year I never got around to it. One thing I've noticed is that it doesn't take long to build up enough dust to create a FIRE HAZARD! Why not take some time this month and so over your equipment. Who knows, maybe your wife or son will appreciate the clean desk too! One word of caution: always unplug your equipment before servicing it and never use a vacuum or blower across electronic components - it has the possibilities of creating static electricity which transistors and IC's don't like. If you have tube-type equipment, bleed off any capacitors before sticking your hand into the equipment; otherwise, it will let you know that you forgot! Well, enuf on safety, for now. Thanks to all the members that have included kind words in your orders, articles, newspaper clippings, and otherwise. We do appreciate it, even if we don't always acknowledge it; right, Paul? (You betta -pls) Well, got to get back to work and put this magazine together. 73's.

### THINGS SLIDING AT SUDES CITY

BOB MIELCAREK - 3131 S. New York - Milwaukee, WI 53207 (414) 481-6755  
1-25 (rec'd 1-29) Welcome, Paul. Conditions have gone steadily downhill in Milville since my last Muse. After a hot start, I've only logged 19 new ones since 11-30, which means I'll have a tough time reaching my goal of 1,000 by seasons end. I'm at 943 now. Best of the bunch since my last Muse are: 12-5 SSS 1320-WRJM YB, 1360-WIXQ AL, 1320-WENN AL, 1-7 SSS 1190-WHYY AL, 1-11

(Mielcarek, continued) SSS 1500-WHIX AL, 1600-WBBS YB, 1-12 SSS 970-KSAX YB, 1-13 SSS 640-WETS Q4, 970-WERK 4L, 1-15 SSS 1600-WFNY 4A. I also caught the WFPE and WPIF tests. Varies are in from KPNV, YANI, KLEB, WHJY, KCEE. There has been a major change around here. (I don't mean diapers). I started a new job this week, Water Systems Operator In Charge. It's a little more money and a lot more responsibility. I'll still be rotating shifts which means no SSS DX'ing 7 out of 35 days. All for now; I'll Muse again when I hear something. (21)

### SEND LOG UPDATES TO JOHN

JOHN CLEMENTS - 7310 Ensign Ave. - Sun Valley, CA 91352 (pm 1-27, rec'd 1-29)

It is hard to believe, but I have been a member of this club for 12 years and a lot of changes have taken place since then. I am single, 34, and work as a computer programmer for 7-Up Bottling Co. of So. Cal. Work on the computerized version of the NRC Log continues. At the convention, it was decided to produce a series of supplements to the log and the first one is just about done. It is being sent to HQ for critical review and while they are looking at it, I will be correcting some last-minute errors that I found. Speaking of errors, and therefore updating, it was pointed out at the convention by many that they missed formats, and by others, that in the next edition of the log, that the network information should be omitted since it will be hard to keep current. If you people want this information, you will have to help keep it current. JOHN CALLARMAN was able to keep the news networks up to date because he was in that area. Now, we will have to rely on members. I will be updating the log monthly, so feel free to send any changes to me. It has been nice meeting Paul and having another DX'er in the area. (Thanks, John; you and any other DX'er are always welcome in my home ... whether or not I am AT home, hi -pls)

### HARRY EXPERIENCES UNUSUAL DAYTIME CONDITIONS

HARRY J. HAYES - 6 Henry St. - Wilkes-Barre, PA 18702 1-22 (Rec'd 1-29)

The reporting period features an unusual daytime opening on 1-22. First off, though: 1-17 WBTI-1560 Brunswick, MD in at 5:15 pm w/ s/c off, good w/ otherwise bad rx. 1-19 6:15 pm, WOKE-660 Cacoosa AR s/c off, ment, AR and 1 kw. No CIN. 1-22: The most unusual daytime cx ever experienced by me. Stations in from the deep southwest into "K" country at mid-afternoon. 1:15 pm WSB-750 Q4 road sig. at this time w/ wx alerts and rr rx. ID's. 1:14 WSM-650 TN road w/ c/w rx and ID. 1:17 pm WPIF-620 NC good w/ NC State game and local spots. 1:22 WPAW-640 WV, a little stronger than WPTF w/ ID's. 1:24 WLN-700 OH almost local sig. 1:34 WBT-111NC weak w/ Accu-Weather, mixed w/ many others. 1:37 to 1:50 pm WMXO-1120 MS fair listenable sig. w/ the first half of CBS coverage of the Dallas-Washington FB game. ID at halftime at 1:59. "WMXO, St. Louis, 1 o'clock and snow." 2:35 WESC-660 SC w/ c/w chewing up WNBC when nulled. Fair sig. 3 pm: WHAS-40 KY giving semi-local WVFQ fits. Now some comments about things I've been seeing in the club bulletins. I see the idea of an FM section circulating among the NRC and IRCA. While I think having an FM section in one of the AM DX publications is an interesting one and one I would be for, I wonder how many people have realized that AM DX is a wintertime phenomenon while FM DX is a summertime one? Bearing this in mind, would the FM section-carrying club still issue summer-time bulletins infrequently? Winter DX is almost nil so the weekly FM section would "starve" in the winter, but when DX would be most hot is when the "AM-FM" publication would come out least frequently. This problem should be considered if it is indeed a problem. It would be nice to have an FM column by frequency on the order of DAVE SCHMIDT's column. Another way of reporting FM that we can consider is that each reporter be encouraged to report their DX by frequency instead of mixing all the reporters up since the other club does not recognize this reporting method and also because I think most AM-FM DX'ers will agree that FM is a different DX'ing ballgame from AM DX'ing. Also, on the issue about what to include in Musings and what not to include: the decision should be made by the editor. I think a little non-DX writer in Musings does no harm and in fact makes for a more interesting column. Let's not forget that we are reading reports from people, not DX'ing computers.

### THE HEAVES HAVE AN ENCORE

RANDY TOWER - 1969 27th Street - Arcata, CA 95521 (pm 1-27, rec'd 1-29)

Hello. Conditions seem to be picking up around here after being fairly dead for quite some time. I did a bandscan on the evening of January 21, and found that most of the still-available Eastern clears were in with fair signals, and during their fades Latins were heard (or at least a good loud growl/hat). Tahiti was in with a super loud hat against KCBS just a couple of hours after local sunset, and several other South Pacific carriers began to fade in not long after Tahiti's. An hour later there was good solid audio from LY2-S19. Tuning to 500 khz, I noticed that WS4P was getting strong interference from a station looping N-NW and playing EYL. The signal was dominant at 0750 GUT but faded across the hour, natch. I wonder if it was the new Alaskan on 820 khz, KFEP? At about this time the ol' cycballs just wouldn't stay open any longer, so the DX session ended before there were any NC MM signoffs, unfortunately. (If there were indeed any VM signoffs at all, hi.). // There are now enough active

[Tomer, continued] DX'ers around in this area that we've formed a local group, originally named the HEAVES - for Humboldt-Eureka-Arcata-Verification-Society. Subsequently we've come up with the Extreme Northern California Organization of Radio Enthusiasts, or ENCORE. Now we can't make up our minds which name we want to keep; neither one is any good! So far, four of us have been fairly active - Ric Heald and Wally Glevitch (HCA's), John Arthur of HCSWA, who is an active KPC DX'er, and myself. There are three other not-so-active IARU's in the area that we'll get corralled into the organization one of these days. Long-time NHC members will remember Clarence Freeman; he's alive and well and also living in Arcata. Clarence does very little SSB any more but is active in the ham bands, mainly working Foreign DX. For Humboldt County being one of the least populated areas in the USA, this is quite a collection of SSB and former-BE DX'er! (Find the rest of us steady jobs, Randy, and we'll add to your population, hi-clap) Don't laugh, but Heald, Arthur, and I have regular SSB's on CB channel 11 to discuss DX. The old "Children's Band" does have some uses, after all! 73's and good DX as the "mid-winter anomaly" comes to an end.

(22)

#### SECRET DX'ER IDENTIFIES HIMSELF

JOHN H. ROSE II - 26015 Thomas - Warren, MI 48091 1-28 (Rec'd 1-31)  
Now, wait a minute, Paul! You mean to say that nowhere in that weighty tome I sent did I include my name? The only polite thing I can say is dumb on my part. (Gosh ... don't be so harsh on yourself! At least you didn't send me an empty envelope, as a recent non-Muser did! -pls) This one will cure that. At any rate, the 12XK is now diagnosed and it's the darnest thing I ever did see. The power transformer and audio transformer were electrically coupling through the ether and humming along with the music. Cure could have been to twist the audio transformer 90 degrees, and I chose to make the audio solid state to get rid of the heat and also make the power supply all solid state. The audio trans. has to be taken out of the rx to be turned anyway; I look forward to not having any more melted plastic tensiles. I'll also replace all the paper caps (one defective, causing shocks) which will allow the rx and I (about the same age) to go into the 22nd century (always was an optimist). There's a new rx here purchased at my favorite weird Flea-market. It had a \$3.00 tag on it and I succeeded in getting the guy down to \$1.25. Turns out to be a L-tube ac-dc battery-powered job that does very well here; quite a DX-digger with no sours or images (yet). Compared to the Sony ICF SSW I sent back to the dealer, this Olympic hub is slightly less sensitive, as selective, better-nulling, and far better on sours. There is a tiny hum, nothing to upset me now. The bad batteries are no longer available for it. Also the dial calibration is terrible, all crowded on half of a 2-inch circle. Paul, I hope you can solve the typewriter problem. The Italian job produces very good-looking type, well-spaced and loaded, and very clean and sharp. (Yes ... too bad the typewriter died, and that I no longer have access to it, anyway -pls) This is something I have a sensitivity to as I produce hand-made books, and typography is a large interest of mine. One thing which raises my passions of dislike is computer-set matrix lettering. It is very hard to read because the corners are not closed and drives me nuts. The AM Switch column in #15 is so refreshing with that extra leading that I hope J. S. is able to Wees doing it. The IEDD of #13 is unreadable to me, just for comparisons. Why do I write (print) this? The typewriter is busted; my writing is "creatively illegible Chinese", and I'll be (bleeped) if I'll take all day to set a Valley of type! C. U. later.

#### SKIP SHARES PA REGIONALS

SKIP AREY - 104 W. Franklin Ave. - Edgewater Beach, NJ 07010 W620HA  
Good Morning Tempest! Hope this muse finds everyone busy at the 6's. My new location here affords me an excellent chance to spare a whole pack of PA regionals. Tell me, does anyone actually live in Altoona? Sunday evening 1-21 brought in WJAS, Pittsburgh. One I like when I can hear it. On the same night I am to notice Radio Paradise, St. Kitts in with very good copy. Who sez I never resort anything in my muse?? Anyhow, I think I have contacted all of the now R-10M users in our club about the newsletter. If you have for some reason been left out of the opportunity to join this users group, please write. It looks like we are starting to rear up for the convention already. REDI FILIWATT is already mapping out combat strategies for surgical strikes against stray dimmer switches. He keeps mumbling about going out in the back forty to trap a beaver to make an antenna. So it goes. America Hold Hostage ... 30 days without Doonesbury. Goodnight, MARK SLACKMYER, hurry back soon. 73 de SKIP and REDI.

AU BOTHERS DAVE

DAVE SCHMIDT - 42 Chelwynne Road - Castle Hills, New Castle, DE 19720  
(pm 1-29; rec'd 2-1) Reception conditions continue to be rather strange. One day conditions are normal, and then you go for a week of auroral conditions. I believe this is the longest period of prolonged auroral conditions I've ever seen in my 20 years of listening! To what little has been heard: 12-25: WIVG-1300 5:07-5:26 pm w/ rock music, low ads, 13-WIMG ID's; report sent

(Schmidt, continued) to CE and John Bowker on that one! 12-27: WIVN-1450 for my semi-annual report, 2:43-3 am w/ MoR music, cromes, CBS news; local WILM was off as the auroral conditions continue. 1-2: WANR-1600 1:40-2:02 am on ET w/ rock music, reported and letter sent back by PC; anyone know the address? Veries at 1102, adding: v/f WJEJ-1240 (tnx BOB!). V/I WMBC-1510, WMIB-1510, and WPLP-570. An interesting v/I was also received from WASY-1590 (2-sager) mentioning a report from Montreal the same time they landed here, as well as a v/s for WACZ-620. WIVN-1450 sent an unsigned WFFG card as well as a bumper sticker; don't know if that's countable (haven't yet). On looking at the records, WCTC-1450, WERA-1500, and WRMJ-1000 are my only unheard NJ stations ... WIVN-1450 and WIMG-1300 are in the "unanswered" status presently. Welcome (?) Russ Edmunds to the Philadelphia area! Not much else, more as it hits the wire! Keep up the fine job, Paul, but do talk that typer into working right-hi 73's. (I've threatened to break his fingers - hit -pls)

(23)

PAUL SWARINGEN - 21629 Cottonwood Avenue - Riverside, CA 92508

And speaking of typing ... after 2½ pages of this issue typed at work, the rest had to be done on the ancient Royal HH with a lighter ribbon. My contract with Sherman Indian (and the Bureau of Indian Affairs, Dept. of the Interior) ran out last Thursday, and I wasn't rehired, as a qualified Indian applicant was placed in my job. So it's back to substitute teaching for awhile. Today (shudder) in a weak moment I agreed to take on Norco Elementary's First Grade. Let me tell you ... primary teachers are candidates for sainthood. Back to typing ... I hope soon (when the government pays me for my 60 days of teaching at Sherman) to purchase a computer (probably one of the Commodores), a disc drive, and a printer (daisy wheel?) for this little task and others. My idea is to do simple word processing yet still have the convenience of a computer when I need it. If any of you computer/printing buffs have any recommendations, please include them with your next muse. I read the computer magazines, too ... so I mostly am looking for ideas as to what to use for a printer which will accept both tractor- and single-sheet paper, and one which will justify margins and produce professional-looking type. In the meantime, you'll have to put up with this crummy type, for which I apologize. DX? Oh, yes, 1550 belonged to WRC 1-31 from 10-11 pm ELT o/a classical mx station, but 2-1 the classical station predominated. The likes of 990-WLS, 830-WCCO, 840-WHAS, 1040-WZB have all sneaked into my basement apartment over the noise level generated by the transformer 100 yards away; it's nice to have old friends to listen to! 73.

## Riverside Press-Enterprise 1-30-83 from pls. 'Opry's' AM outlet goes stereo

By MARK SCHWED

NASHVILLE, Tenn. (UPI) — The radio station that carries the world's longest-running radio show, the Grand Ole Opry, has gone stereo.

"You can't hear it yet on WSM-AM. You can't even buy a stereo receiver for AM. But it's stereo, to Roy Acuff's word for it."

The Opry's come a long way since I joined in 1925," Acuff said. "I remember when just having a radio was really something, but now our listeners will be able to hear us in stereo."

"The only thing better would be for them to come see us in person," said Acuff, 79, the Opry's top politician.

WSM officially became one of the first 20 stations in the United States to go stereo on Dec. 6, 1982, when WSM Inc. President E.W. "Bud" Wendell flipped a switch from the stage of the Grand Ole Opry House.

The stereo broadcast was heard only over two translators at WSM, one in the office of General Manager Tom Cassetti and the other in the control room.

The war between FM and AM is on.

"Stereo transmission for AM stations is an important advance, and I am proud that WSM-AM is one of the first stations in the country to convert. It will be exciting to listen to the Grand Ole Opry in stereo, and I know the Opry's listeners all over the country will enjoy the new sound," Wendell said.

WSM wasn't the first to go stereo and it won't be the last.

Financially, it wasn't much of a gamble for the Nashville radio station, which plays an "urban country" format.

"About \$12,000 for the equipment," Cassetti said.

Currently, there are five systems available to

radio stations thinking about going stereo. Manufacturers have not made receivers to pick up the stereo AM signal because they are waiting to see which of the five systems becomes the standard. Cassetti is approaching to find out what system will emerge as the victor. But WSM decided not to wait any longer and went with the Harris system.

"We're trying to show listeners that AM stereo is not a gimmick and is as good, if not better, than FM," Cassetti said.

Slowly, stations across the country are making the switch. When enough of them choose a particular system, AM stereo will become as commonplace as FM stereo.

"It's coming," Cassetti said. "One (system) is going to survive."

And when will truckers be able to pick up Acuff singing "Wabash Cannonball" in stereo?

"We're hoping by spring," Cassetti said.

When will car manufacturers get into the AM stereo business?

"We think they could do it by 1984," he said. AM broadcasters believe stereo will enable them to recapture thousands of listeners (advertisers) who switched to FM stereo years ago.

One of the advantages of AM is that the signal carries farther than an FM signal.

As an example, Cassetti said a 100,000-watt FM station can be heard in a range of about 80 miles day and night. In contrast, a 50,000-watt AM station, like WSM, has a range of about 200 miles.

"If you start on a trip you won't have to worry about the radio fading in and out," Cassetti said.

Some of the biggest fans of AM stereo are record companies, who haven't made many records for years.

"The record companies are tickled," Cassetti said.